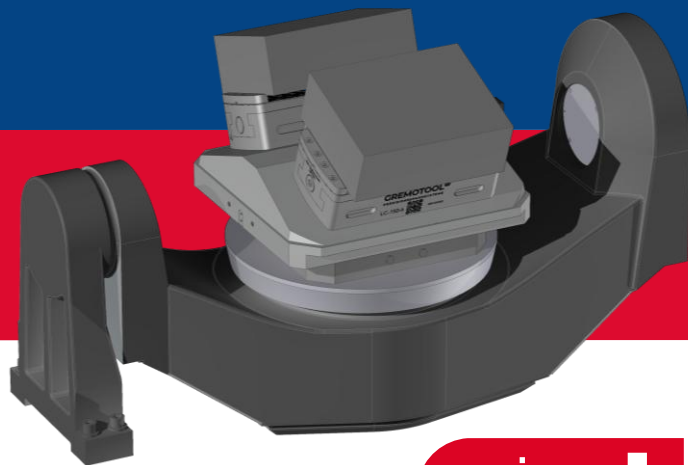


System 3R

Gremotool clamping devices & System 3R



system 3R

System 3R
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swiss
made



GREMOTOOL
Precision Clamping Systems

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Overview

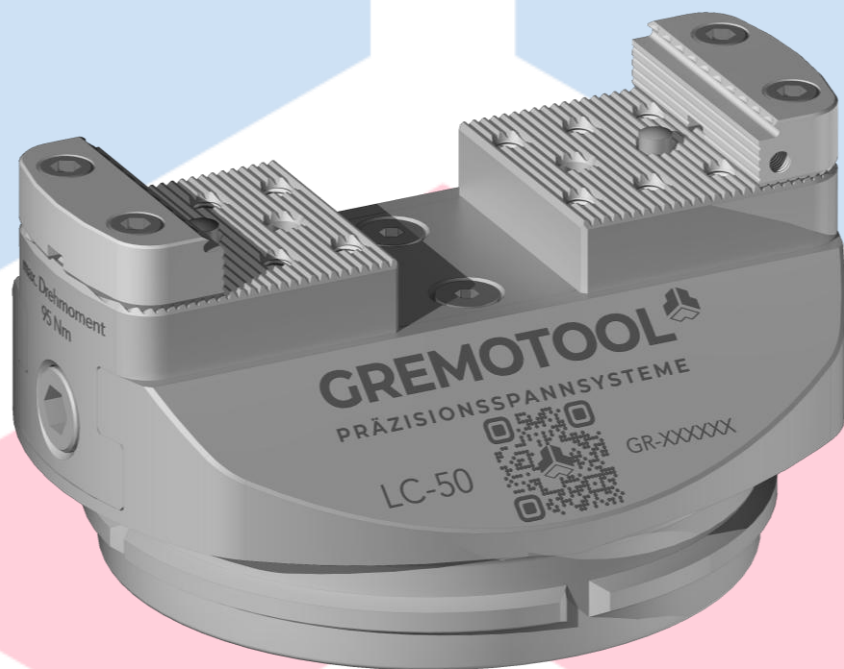
Gremotool clamping devices with System 3R

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Product presentation

Gremotool clamping devices with System 3R

The **automated production** requires flexible and precise clamping devices. System 3R's zero-point clamping system provide a larger part of this flexibility. Different clamping devices require a common interface so that they can be customised to the requirements of the workpiece to be clamped. The ideal solution is clamping devices of Gremotool, which precisely connect the workpiece and the zero-point clamping system.



Product presentation

Advantages Gremotool with System 3R

Clamping force

The high clamping forces of the Gremotool clamping devices can be influenced by torque or pressure. This makes it possible to clamp plastic workpieces without deformation and forged parts with a secure hold without damaging the clamping device.

Centering precision

The design of all Gremotool centring vices guarantees the user precise centring of ± 0.02 mm in the centre of the clamping device.

Accessibility

The Gremotool clamping devices are suitable for various application scenarios. Accessibility for the processing machine is a key element in enabling the best possible processing strategy. They can be used directly on the zero-point clamping system, on pallets or on towers.

Compact

The compact power package fit into any machine and guarantee a firm hold of the workpiece for machining. The solid construction with low weight also allows manual re-tooling.

Enclosed and low maintenance

Due to the design of the centre clamps, no chips remain in the clamping device. This means that all components are subject to less wear, which reduces maintenance to a minimum.

Short set-up times

Gremotool clamping devices are all equipped with various connection options. No special versions for standard pallets are required to change the clamping devices, precision pins and screws are loosened and tightened again.

Large range of jaws

The jaws on all Gremotool centre clamps are interchangeable. From gripping jaws to soft jaws made of aluminium, no requirements remain unfulfilled for the demands placed on the workpieces.

Automating the process

If special requirements of the automation are placed on the clamping devices, the Gremotool clamping devices are ideal. The clamping devices can be equipped with various interfaces, including those integrated directly into the clamping device. This allows the machining area of the machine to be utilised even more optimally.

Short delivery times

The short delivery times of jaws allows to work quickly and flexibly with the Gremotool range of jaws.

Get started immediately

A pair of gripper jaws is supplied with each clamping device at no extra cost, allowing you to clamp raw parts at no additional costs.

Product presentation

System 3R Zero-point clamping system

System 3R Zero-point clamping system

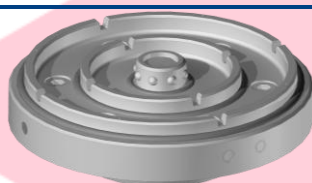
System 3R zero-point clamping systems clamp the pallets mechanically, with a system accuracy of ≤ 0.005 mm. Thanks to the mechanical clamping, the system remains clamped even in the event of a pressure failure. When the medium is applied, the internal mechanism is activated, which then releases the clamping pins or clamping sleeves and lifts them slightly. All System 3R zero-point clamping systems are suitable for automated production as they feature integrated blow-out to prevent the ingress of chips.

System 3R	clamping force	unlocking	clamping force with Turbo boost	Turbo boost	Repetition accuracy
Macro	6'000 N	6 bar	-	-	0.002 mm
MacroMagnum	6'000 N	6 bar	16'000 N	6 bar	0.002 mm
GPS 70	3'800 N	6 bar	-	-	0.002 mm
GPS 120	3'800 N	6 bar	-	-	0.002 mm
GPS 240	25'000 N	6 bar	50'000 N	6 bar	0.002 mm
Dynafix	50'000 N	6 bar	-	-	0.002 mm
Delphin (4-fach)	40'000 N	6 bar	240'000 N	6 bar	0.005 mm

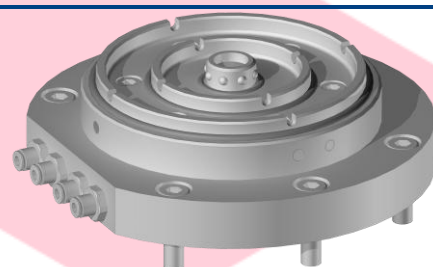
Pallet chuck (e.g. GPS 120)

The zero-point clamping systems are available in different editions. Each edition has a specific purpose.

Mounting chuck



Complete chuck



- Cost-effective and space-saving installation in plates, setup tables, measuring machines, towers, etc.
- Installation in precise bore holes for cylinder pistons

- Precise, ready-to-install plate with integrated centering units
- Can be mounted on tables, plates, towers, etc. using countersunk screws or clamps

- Open cylinder

- Closed cylinder

The shown products and option combinations are examples.

The rights by the respective products are the property of System 3R and/or Gremotool.

Product presentation

System 3R Zero-point clamping system

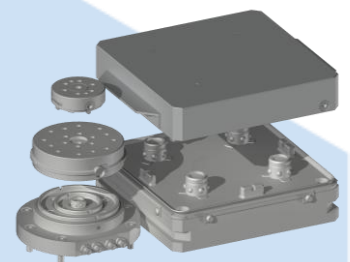
System 3R Macro and MacroMagnum

Macro and MacroMagnum form a powerful duo for precise and efficient manufacturing processes. While Macro impresses with its compact design and extremely fast changeover times, MacroMagnum offers the necessary stability for larger workpieces and demanding machining steps. Both systems enable repeatable processes and significantly reduce set-up times, but they differ clearly in their orientation: Macro stands for maximum flexibility with smaller parts, MacroMagnum for maximum rigidity and process reliability with larger components. Together, they cover a wide range of applications and ensure consistent precision throughout the entire production process.



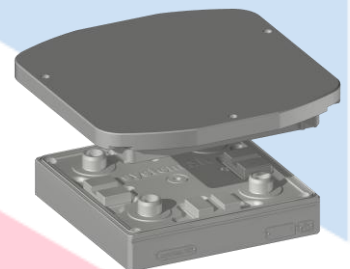
System 3R GPS

The GPS series offers the right solution for every workpiece size. GPS 70 is the special system for the finest contours and microelectrodes and delivers maximum precision in the smallest of spaces. GPS 120 forms the versatile centrepiece of the series and is ideal for workshops that need a universally applicable zero-point clamping system. Finally, GPS 240 is the robust solution for large and heavy workpieces where stability and process reliability are paramount. Together, the three systems cover the entire range from micro-machining to large-scale production and enable consistent accuracy across all process steps.



System Dynafix

Dynafix is the premium system for demanding milling processes and modern 5-axis machining. With its exceptional rigidity and large-area references, it offers maximum precision even under high machining forces. It is specially designed for HSC and HPC applications and ensures that complex geometries, deep cavities and demanding surfaces can be manufactured with maximum process reliability. Dynafix is the ideal solution for manufacturing environments that demand maximum performance and absolute stability.



System 3R Delphin

Delphin is the most universal clamping system in the System 3R portfolio and was developed to cover a wide range of workpiece sizes and machining requirements. Its modular design enables individual clamping solutions that can be seamlessly integrated into a wide variety of manufacturing processes. Whether small, medium or large components – Delphin offers the flexibility needed to handle any task efficiently and precisely. This makes it particularly suitable for workshops with a wide range of parts that require a versatile and reliable zero-point clamping system.

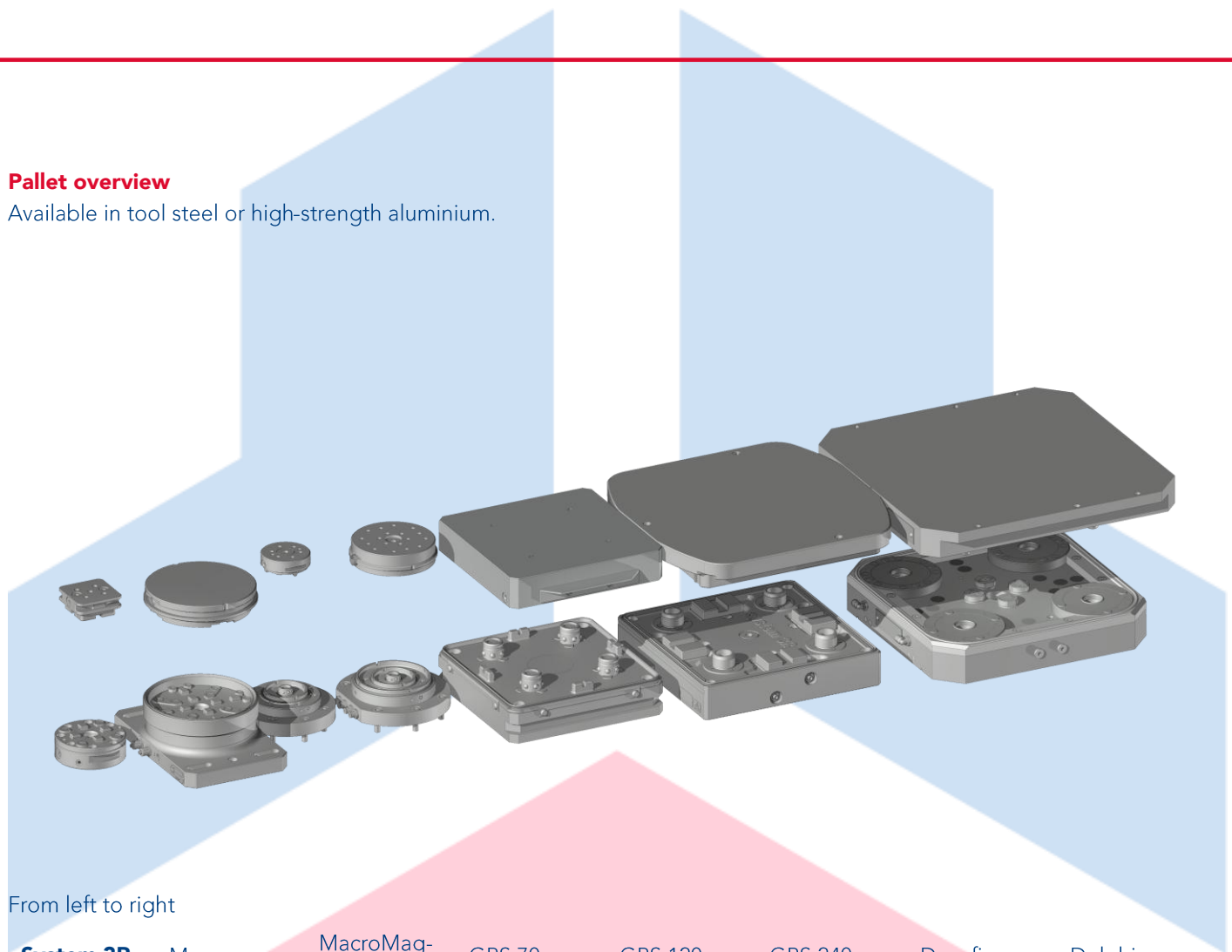


Product presentation

System 3R Zero-point clamping system

Pallet overview

Available in tool steel or high-strength aluminium.



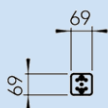
From left to right

System 3R	Macro	MacroMag-num	GPS 70	GPS 120	GPS 240	Dynafix	Delphin
Pallet	3R-651.70-P	3R-681.51-SA	C695265	C695370	C694610	3R-CH771.35	C282800
Pallet Material	Tool steel	Tool steel	Tool steel	Tool steel	Aluminium	Aluminium	Aluminium
Chuck	3R-600.14-30	3R-680.10-2	C188720 + C188730	C188770 + C118710	C219250	3R-770-5	C248100

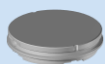
Product presentation

System 3R Zero-point clamping system

Macro
3R-651.70-P



MacroMagnum
3R-681.51-SA



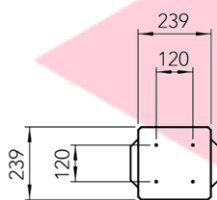
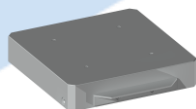
GPS 70
C695265



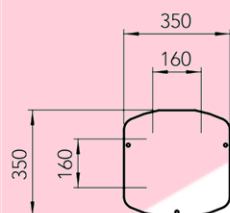
GPS 120
C695370



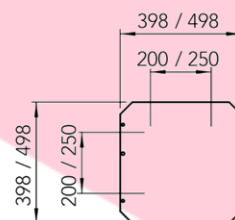
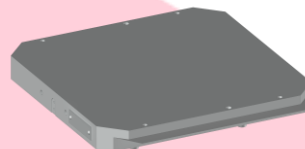
GPS 240
C694610



Dynafix
3R-CH771.35



Delphin
C282800



Product presentation

PMC-50 with System 3R MacroMagnum

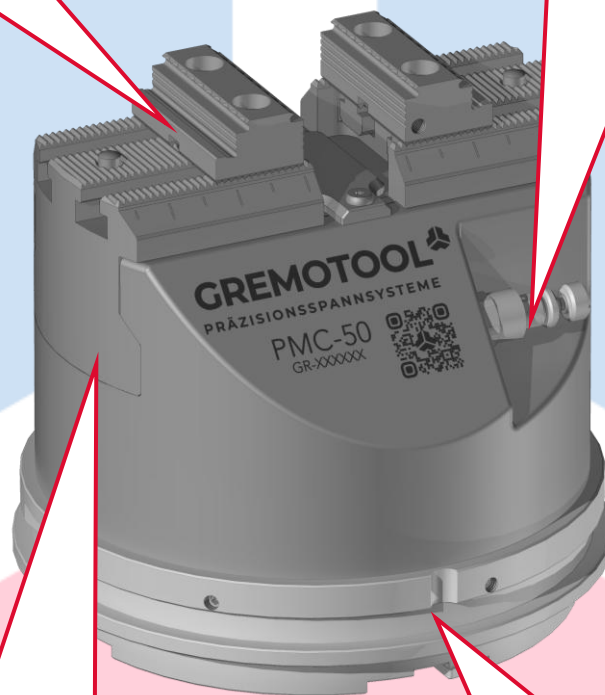
pneumatic /
hydraulic

Gremotool system of jaws

- + interchangeable between series
- + quick change of jaws
- + protruding jaws possible

Enclosed design with valve

- + ideal chip flow
- + 3-fold clamping reliability
- + adjustable clamping force by valve



Centring precision $\pm 0.01\text{mm}$

- + precision for multi-axis machining
- + high repeat precision
- + reduces vibrations on the workpiece

Suitable with pallets of System 3R

- + designed for automation
- + deep for larger workpiece in machine
- + RFID-Chip attachable

mechanical

Product presentation

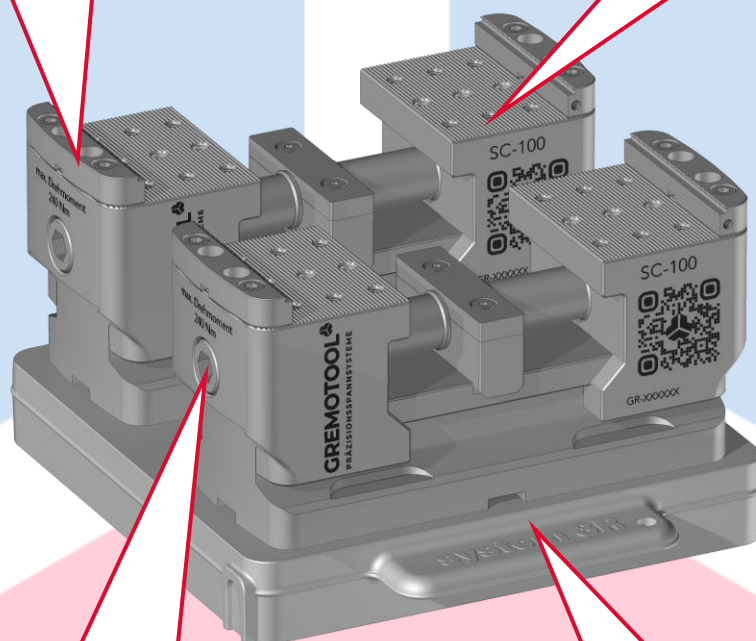
2x SC-100 with System 3R Dynafix

Gremotool system of jaws

- + interchangeable between series
- + quick change of jaws
- + protruding jaws possible

High design

- + ideal chip flow
- + high accessibility
- + idealised clamping force



Centring precision $\pm 0.01\text{mm}$

- + precision for multi-axis machining
- + high repeat precision
- + reduces vibrations on the workpiece

Suitable with pallets of System 3R

- + e.g. on System 3R Dynafix
- + centre, left, right, left & right
- + fast, precise assembly from below

Product presentation

VC-74 vise modules with System 3R Delphin

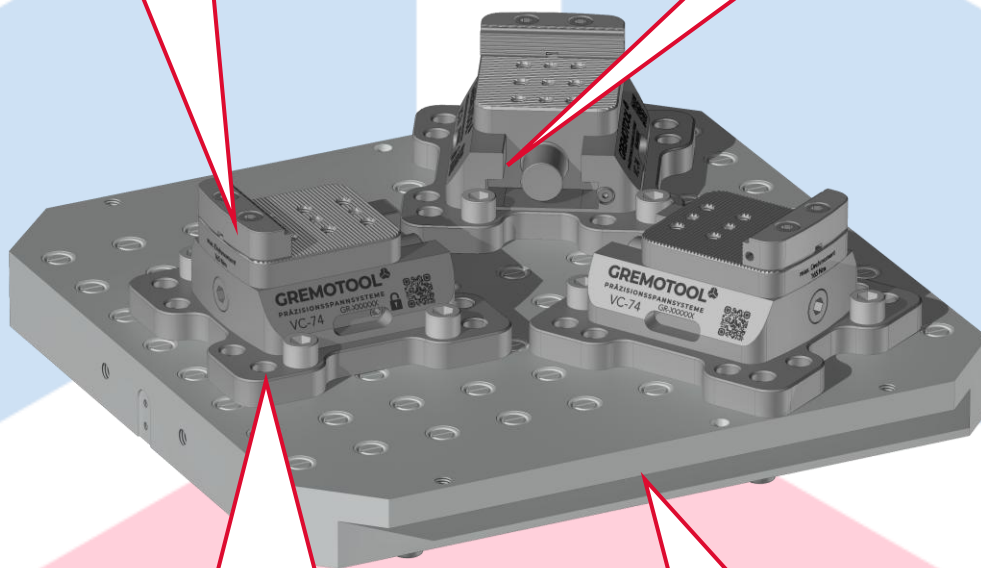
mechanical

Gremotool system of jaws

- + interchangeable between series
- + quick change of jaws
- + protruding jaws possible

Enclosed design

- + ideal chip flow
- + high accessibility
- + idealised clamping force



Modular design

- + Modules can be positioned individually
- + for 40mm und 50mm perforated grid
- + can be mounted by 30° for round workpieces

Suitable with pallets of System 3R

- + designed for automation
- + deep for larger workpiece in machine
- + RFID-Chip attachable

mechanical

Product presentation

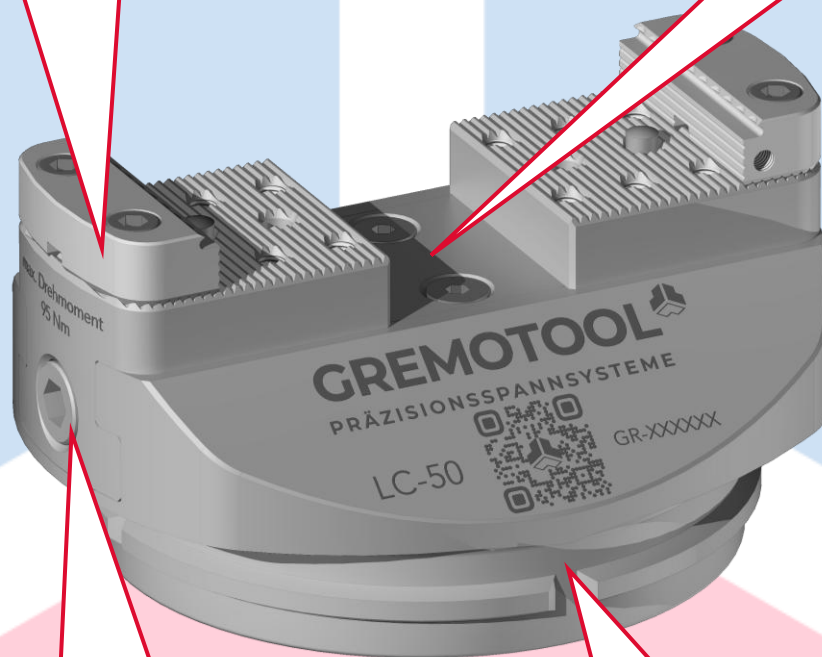
LC-50 with integrated System 3R GPS-120

Gremotool system of jaws

- + interchangeable between series
- + quick change of jaws
- + protruding jaws possible

Enclosed design

- + ideal chip flow
- + high accessibility
- + idealised clamping force



Centring precision $\pm 0.01\text{mm}$

- + precision for multi-axis machining
- + high repeat precision
- + reduces vibrations on the workpiece

Integrated pallet for GPS-120

- + designed for automation
- + deep for larger workpiece in machine
- + RFID-Chip attachable

mechanical

Product presentation

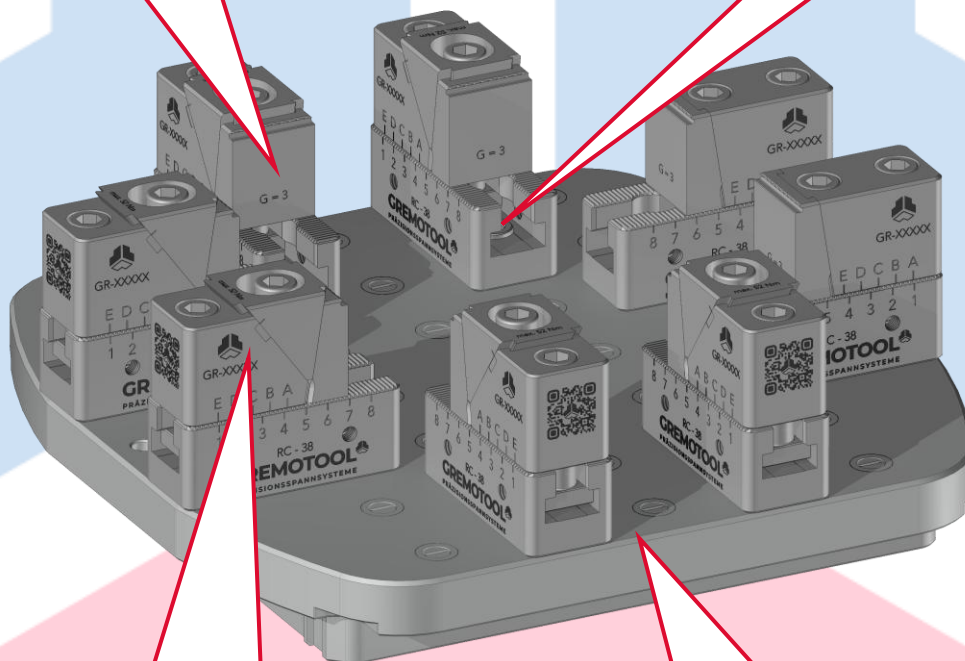
RC-38 with System 3R Dynafix

Gremotool quick-change system

- + jaws quickly interchangeable
- + different jaw types
- + with pull-down effect

Modular Design

- + various modules
- + optimal accessibility
- + idealised clamping force



Precision $\pm 0.01\text{mm}$

- + precision for multi-axis machining
- + high repeat precision
- + reduces vibrations on the workpiece

Can be combined with System 3R pallets

- + designed for automation
- + deep for larger workpiece in machine
- + RFID-Chip attachable

Product presentation

Gremotool clamping systems with System 3R pallets

Gremotool LC-series on System 3R pallets

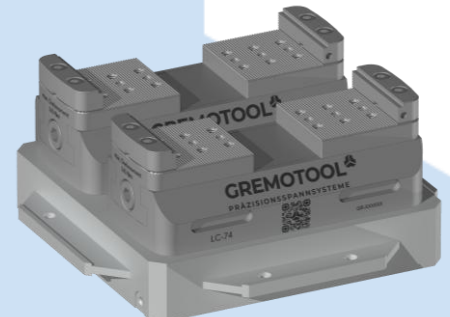
- High-precision centre clamp
- High process reliability
- Closed base body to prevent chips from remaining
- Various sizes and fastening options
- Deep and stable
- Large Gremotool jaw range



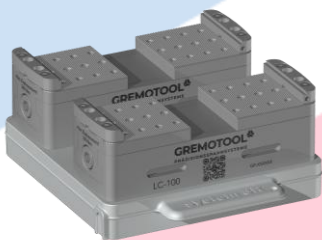
LC-34 with System 3R GPS 70 pallet



LC-50 with System 3R MacroMagnum pallet



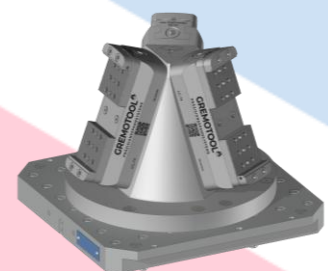
LC-60 and LC-60AM for distortion-free clamping on GPS 240 pallet



LC-100 and LC-100AM with System 3R Dynafix pallet



LC-150 and LC-150AM with System 3R Delphin pallet



3x LC-74 on tower and System 3R Delphin pallet

Product presentation

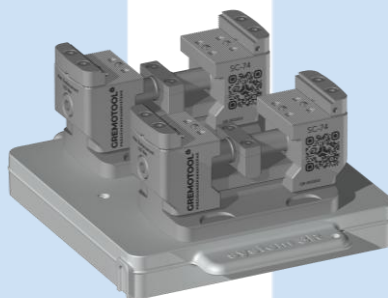
Gremotool clamping systems with System 3R pallets

Gremotool SC-series on System 3R pallets

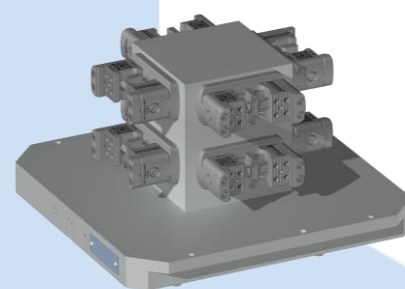
- High for optimum accessibility
- High-precision centre clamp
- Various sizes and fastening options
- Large Gremotool jaw range



SC-50k with System 3R Macro reference element



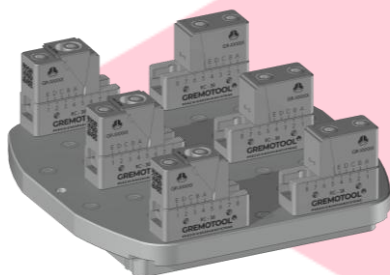
SC-74 and SC-74AM for distortion-free clamping on System 3R Dynafix pallet



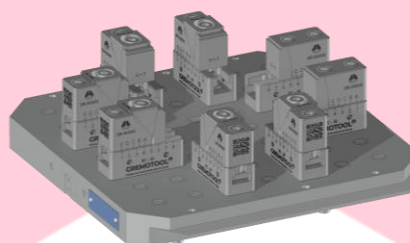
8x SC-40 on tower with System 3R Delphin pallet

Gremotool RC-series on System 3R pallets

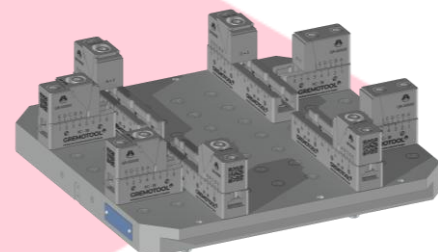
- Modularly adaptable to clamping situation
- Multiple clamping possible
- Quick-change jaws with pull-down effect
- Short set-up times



3x RC-38 with System 3R Dynafix pallet



6x RC-38 with System 3R Delphin 398 pallet



6x RC-38 with System 3R Delphin 498 pallet

Product presentation

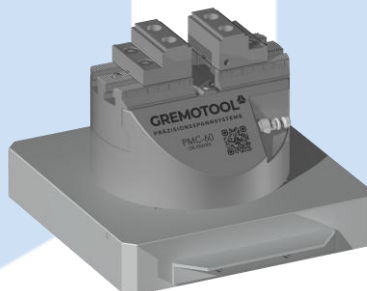
Gremotool pneumatic / hydraulic clamping system with System 3R pallets

Gremotool PMC/HMC-series on System 3R pallets

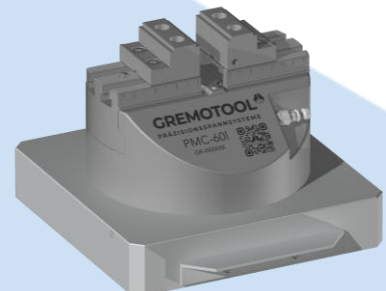
- Pneumatic / hydraulic centre clamp
- Integrated clamping force safety device
- Pressure reducing valve for clamping force adjustment (pneumatic)
- Clamping force via hydraulic pressure (hydraulic)
- Excellent accessibility from all sides
- Various sizes and mounting options
- Large Gremotool jaw range



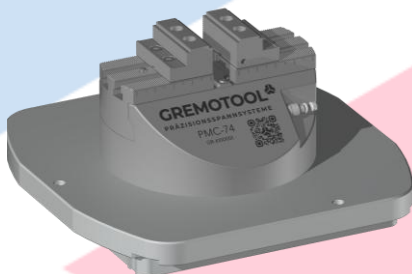
HMC-50 with System 3R Macro-Magnum pallet



PMC-60 with System 3R GPS 240 pallet



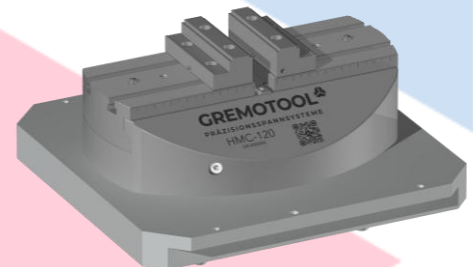
PMC-60I with System 3R GPS 240 pallet



PMC-74 with System 3R Dynafix pallet



HMC-100 with System 3R Delphin 398 pallet



HMC-120 with System 3R Delphin 398 pallet

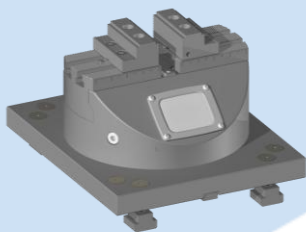
Product presentation

Gremotool hydraulic clamping system

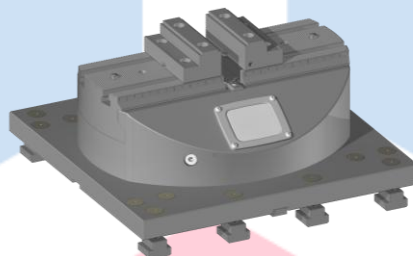
Gremotool HMCc-series

- Hydraulic centre clamp
- Sensors for monitoring clamping force
- Sensors for monitoring jaw position
- Radio transmission to Blum Novotest RC66 measuring probe receiver
- Battery-powered sensor technology
- Integrated clamping force safety device
- Clamping force adjustment via pressure reduction
- Excellent accessibility from all sides
- Various sizes and mounting options
- Large Gremotool jaw range

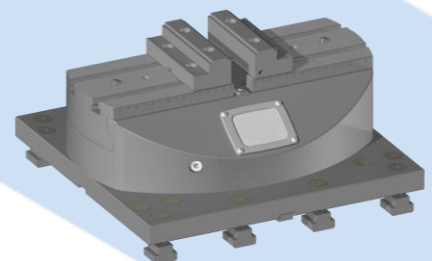
BLUM
focus on productivity



HMCc-74 on base plate



HMCc-100 on base plate



HMCc-120 on base plate



Sensor-based monitoring (clamping system independent)

The shown products and option combinations are examples.
The rights by the respective products are the property of System 3R and/or Gremotool.

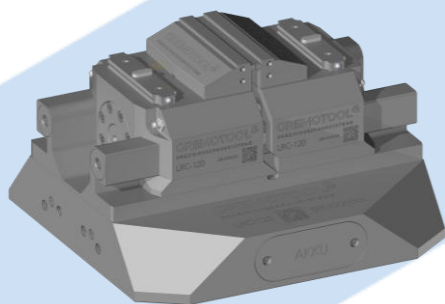
Product presentation

Gremotool hydraulic long range clamping system with sensors and System 3R pallets

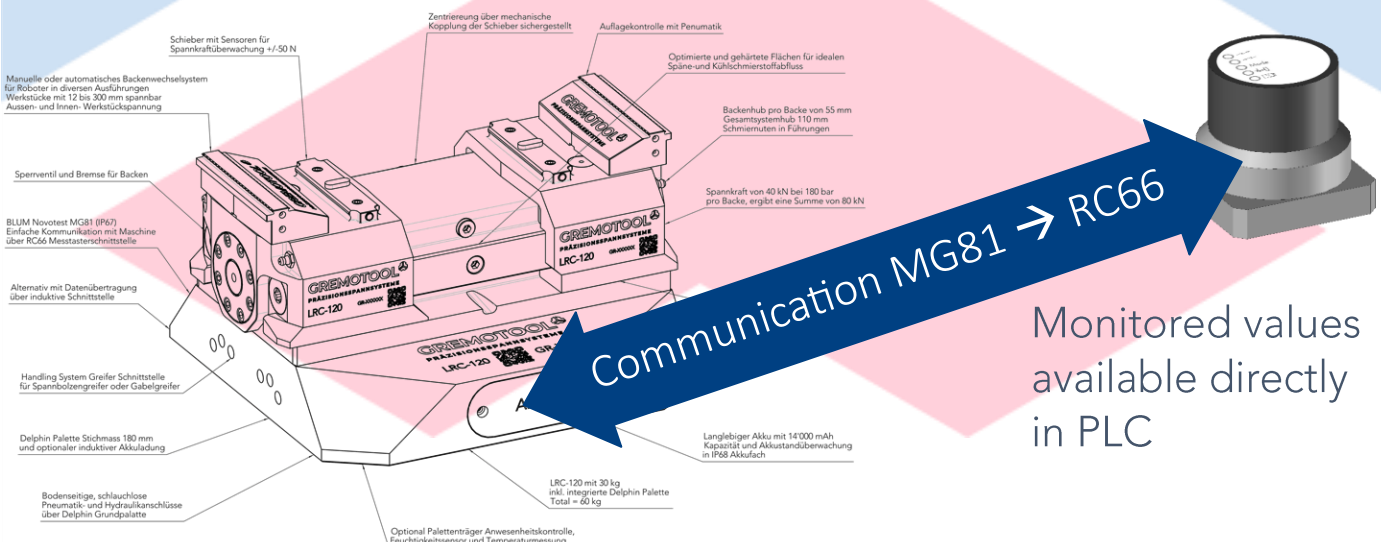
Gremotool LRC-series

- Hydraulic centre clamp with long stroke (90 - 110 mm)
- Sensors for monitoring clamping force
- Sensors for monitoring jaw position
- Radio transmission to Blum Novotest RC66 measuring probe receiver
- Battery-powered sensor technology
- Integrated clamping force safety device
- Clamping force adjustment via pressure reduction
- Excellent accessibility from all sides
- Various sizes and mounting options
- Large Gremotool jaw range

BLUM
focus on productivity



LRC-120



Product presentation

Gremotool manual precision clamping system sizes

recommended LC



LC-34



LC-40



LC-50

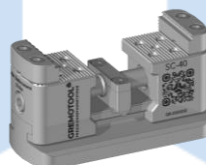


LC-60

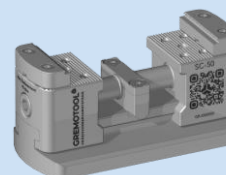
recommended SC



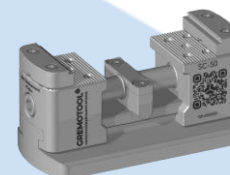
SC-34



SC-40



SC-50



SC-60

Max. workpiece length (clamping range) [mm]	36	85	106	136
Min. workpiece width (jaw width) [mm]	34	40	50	60
Max. workpiece height [mm]	70	70	100	100
Max. workpiece weight [kg]*	4	18	32	40
Min. table size [mm]	Ø70	Ø120	Ø148	100 x 178
Recommended pallet	Macro / GPS 70	GPS 120	MacroMagnum	GPS 240

Product presentation

Gremotool manual precision clamping system sizes

recommended LC



LC-74



LC-100

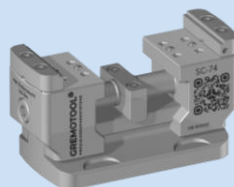


LC-120

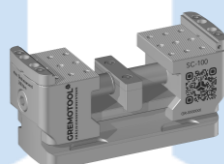


LC-150

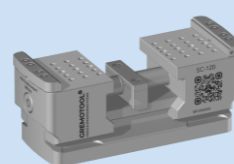
recommended SC



SC-74



SC-100



SC-120

Max. workpiece length (clamping range) [mm]	180	228	270	355
Max. workpiece width (jaw width) [mm]	74	100	120	150
Max. workpiece height [mm]	120	120	120	120
Max. workpiece weight [kg]	70	70	70	70
Min. table size [mm]	100 x 224	100 x 272	120 x 322	120 x 410
Recommended pallet	GPS 240	Dynafix	Delphin	Delphin

Product presentation

Gremotool pneumatic and hydraulic precision clamping system sizes

recommended PMC



PMC-50



PMC-60

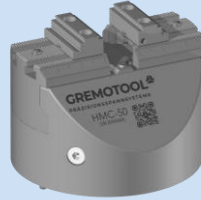


PMC-60I



PMC-74

recommended HMC



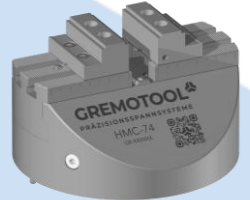
HMC-50



HMC-60



HMC-60I



HMC-74

Max. workpiece length (clamping range) [mm]	110	114	134	154
Min. workpiece width (jaw width) [mm]	50	60	60	74
Max. workpiece height [mm]	150	150	150	200
Max. workpiece weight [kg]*	25	25	25	50
Min. table size [mm]	Ø148	Ø170	Ø190	Ø210
Recommended pallet	MacroMagnum	GPS 240*	GPS 240*	GPS 240*

*Only PMC applicable

Product presentation

Gremotool pneumatic and hydraulic precision clamping system sizes

recommended PMC



PMC-100

PMC-120

recommended HMC



HMC-100

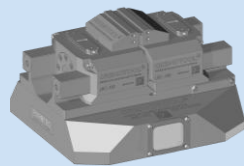
HMC-120

Max. workpiece length (clamping range) [mm]	250	294
Min. workpiece width (jaw width) [mm]	100	120
Max. workpiece height [mm]	200	200
Max. workpiece weight [kg]*	50	50
Min. table size [mm]	260 x 310	260 x 350
Recommended pallet	Delphin	Delphin

Product presentation

Gremotool long range precision clamping system sizes

recommended LRC

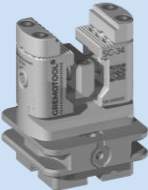
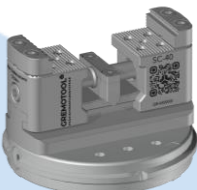


LRC-120

Jaw stroke [mm]	55
Max. workpiece length (clamping range) [mm]	300
Min. workpiece width (jaw width) [mm]	120
Max. workpiece height [mm]	300
Max. workpiece weight [kg]*	50
Recommended table size	320 x 320
Recommended pallet	Delphin

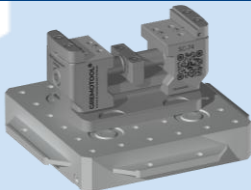
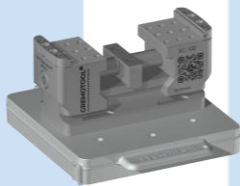
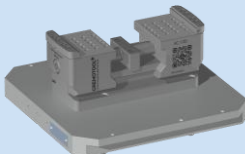
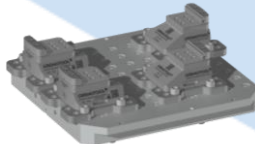
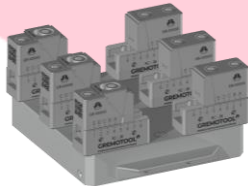
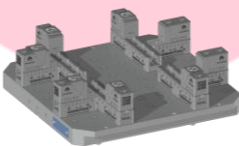
Overview of products

Gremotool clamping devices with System 3R

	Macro	MacroMagnum	GPS 70	GPS 120
PMC / HMC pneumatic / hydraulic	-	 PMC / HMC-50	-	-
SC mechanical	 SC-34 / 40	 SC-34 / 40 / 50 / 60 / 74	 SC-34 / 40	 SC-34 / 40 / 50 / 60
VC mechanical	-	-	-	-
LC mechanical	 LC-34 / 40	 LC-34 / 40 / 50 / 60 / 74	 LC-34 / 40	 LC-34 / 40 / 50 / 60
RC mechanical	-	-	-	-

Overview of products

Gremotool clamping devices and System 3R

	GPS 240	Dynafix	Delphin
PMC / HMC pneumatic / hydraulic	 PMC-50 / 60 / 60l / 74	 PMC-50 / 60 / 60l / 74	 PMC / HMC-50 / 60 / 60l / 74 / 100 / 120
SC mechanical	 SC-34 / 40 / 50 / 60 / 74 / 100 / 120	 SC-34 / 40 / 50 / 60 / 74 / 100 / 120	 SC-34 / 40 / 50 / 60 / 74 / 100 / 120
VC mechanical	-	-	 VC-60 / 74 / 100 / 120 / 150
LC mechanical	 LC-34 / 40 / 50 / 60 / 74 / 100 / 120	 LC-34 / 40 / 50 / 60 / 74 / 100 / 120 / 150	 LC-34 / 40 / 50 / 60 / 74 / 100 / 120 / 150
RC mechanical	 RC-38	 RC-38	 RC-38

Variant table

System 3R Macro with SC

mechanical

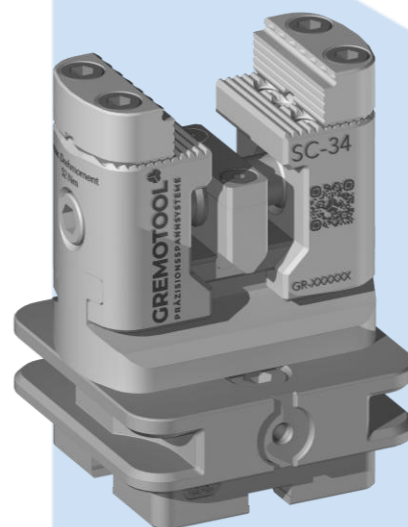
The SC series can be mounted on the Macro pallets from System 3R without modifications.

It is also possible to attach only the reference element directly to the SC series without a superstructure.

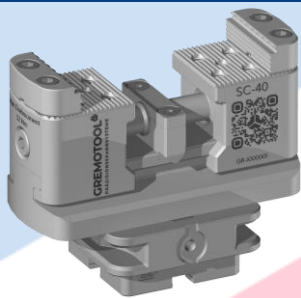
The height of the SC series enables optimum accessibility for 5-axis machining on workpieces.

The large range of jaws also offers suitable jaws for any application.

For the exact data of the SC series, please get directly in touch with us or consult the SC catalogue.



SC-34 with System 3R Macro Pallet



SC-40 with System 3R Macro Pallet

Further variants can be requested directly by Gremotool.

The shown products and option combinations are examples.
The rights by the respective products are the property of System 3R and/or Gremotool.

Variant table

System 3R Macro with LC

mechanical

The LC series can be mounted on the Macro pallets from System 3R without modifications.

It is also possible to attach only the reference element directly to the LC series without a superstructure.

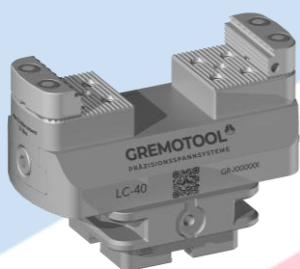
Due to the enclosed design of the LC series, no chips remain on the clamping device.

The large range of jaws also offers suitable jaws for any application.

For the exact data of the LC series, please get directly in touch with us or consult the LC catalogue.



LC-34 with System 3R Macro Pallet



LC-40 with System 3R Macro Pallet

Further variants can be requested directly by Gremotool.

The shown products and option combinations are examples.
The rights by the respective products are the property of System 3R and/or Gremotool.

Variant table

System 3R MacroMagnum with PMC

pneumatic /
hydraulic

The PMC/HMC-50 is designed to fit the MacroMagnum pallet by System 3R.

This is supplied from below through the pallet using pneumatics or hydraulics.

The clamping force of the PMC can be individually adjusted to the workpiece using the reducing valve.

The large range of jaws also offers suitable jaws for any application.

For the exact data of the PMC series, please get directly in touch with us or consult the PMC catalogue.



PMC-50 with System 3R MacroMagnum Palette



**HMC-50 with System 3R
MacroMagnum-Palette**

Further variants can be requested directly by Gremotool.

The shown products and option combinations are examples.
The rights by the respective products are the property of System 3R and/or Gremotool.

mechanical

Variant table

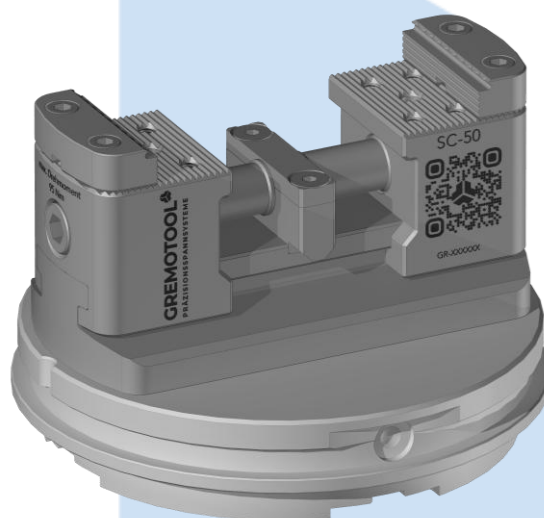
System 3R MacroMagnum with SC

The SC series can be mounted on System 3R MacroMagnum pallets without modifications.

The height of the SC series enables optimum accessibility for 5-axis machining on workpieces.

The large range of jaws also offers suitable jaws for any application.

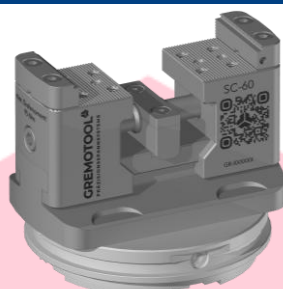
For the exact data of the SC series, please get in touch directly with us or consult the SC catalogue.



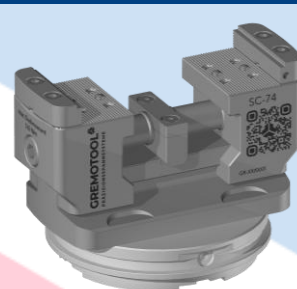
SC-50 with System 3R MacroMagnum Pallet



**2x SC-40 with System 3R
MacroMagnum-Pallet**



**SC-60 with System 3R
MacroMagnum-Pallet**



**SC-74 with System 3R
MacroMagnum-Pallet**

Further variants can be requested directly by Gremotool.

The shown products and option combinations are examples.
The rights by the respective products are the property of System 3R and/or Gremotool.

mechanical

Variant table

System 3R MacroMagnum with LC

The LC series can be mounted on the MacroMagnum pallets from System 3R without modifications.

Due to the closed design of the LC series, no chips remain on the clamping device.

The large range of jaws also offers suitable jaws for any application.

For the exact data of the LC series, please get directly in touch with us or consult the LC catalogue.



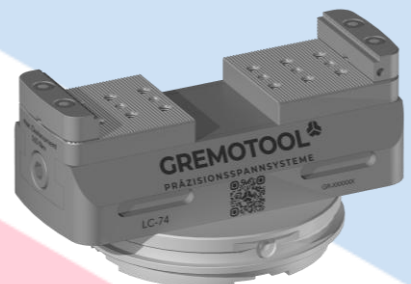
LC-50 with System 3R MacroMagnum Pallet



2x LC-40 with System 3R MacroMagnum-Pallet



LC-60 with System 3R MacroMagnum-Pallet



LC-74 with System 3R MacroMagnum-Pallet

Further variants can be requested directly by Gremotool.

The shown products and option combinations are examples.
The rights by the respective products are the property of System 3R and/or Gremotool.

mechanical

Variant table

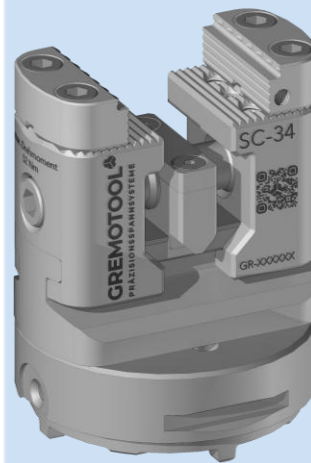
System 3R GPS-70 with SC

The SC series can be mounted on the GPS-70 pallets from System 3R without modifications.

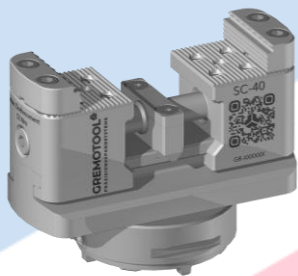
The height of the SC series enables optimum accessibility for 5-axis machining on workpieces.

The large range of jaws also offers suitable jaws for any application.

For the exact data of the SC series, please get directly in touch with us or consult the SC catalogue.



SC-34 with System 3R GPS-70 Pallet



SC-40 with System 3R GPS-70-Pallet

Further variants can be requested directly by Gremotool.

The shown products and option combinations are examples.
The rights by the respective products are the property of System 3R and/or Gremotool.

Variant table

System 3R GPS-70 with LC

mechanical

The LC series can be mounted on the GPS-70 pallets from System 3R without modifications.

Due to the closed design of the LC series, no chips remain on the clamping device.

The large range of jaws also offers suitable jaws for any application.

For the exact data of the LC series, please get directly in touch with us or consult the LC catalogue.



LC-34 with System 3R GPS-70 Pallet



LC-40 with System 3R GPS-70-Pallet

Further variants can be requested directly by Gremotool.

The shown products and option combinations are examples.
The rights by the respective products are the property of System 3R and/or Gremotool.

Variant table

System 3R GPS-120 with SC

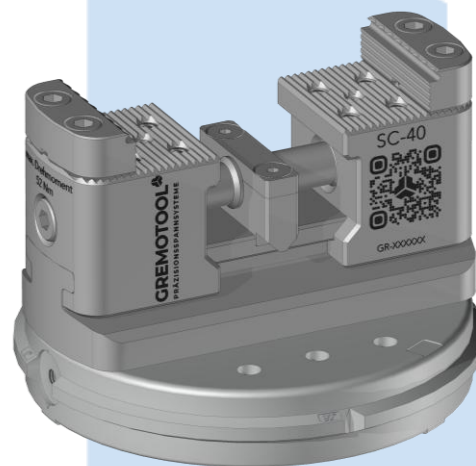
mechanical

The SC series can be mounted on the GPS-120 pallets from System 3R without modifications.

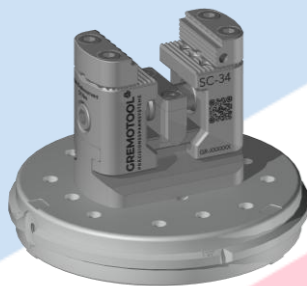
The height of the SC series enables optimum accessibility for 5-axis machining on workpieces.

The large range of jaws also offers suitable jaws for any application.

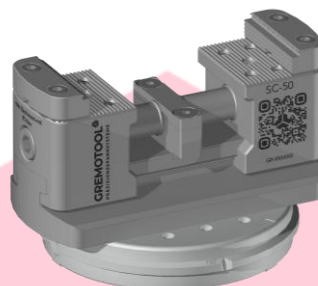
For the exact data of the SC series, please get directly in touch with us or consult the SC catalogue.



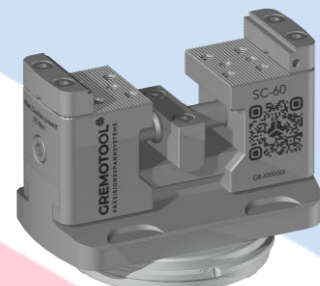
SC-40 with System 3R GPS-120 Pallet



SC-34 with System 3R GPS-120-Pallet



SC-50 with System 3R GPS-120 Pallet



SC-60 with System 3R GPS-120 Pallet

Further variants can be requested directly by Gremotool.

The shown products and option combinations are examples.
The rights by the respective products are the property of System 3R and/or Gremotool.

Variant table

System 3R GPS-120 with LC

mechanical

The LC series can be mounted on the GPS-120 pallets from System 3R without modifications.

Due to the closed design of the LC series, no chips remain on the clamping device.

The large range of jaws also offers suitable jaws for any application.

For the exact data of the LC series, please get directly in touch with us or consult the LC catalogue.



LC-40 with System 3R GPS-120 Pallet



LC-34 with System 3R GPS-120-Pallet



LC-50 with System 3R GPS-120 Pallet



LC-60 with System 3R GPS-120 Pallet



LC-50 with integrated System 3R GPS-120 Pallet

Further variants can be requested directly by Gremotool.

The shown products and option combinations are examples.
The rights by the respective products are the property of System 3R and/or Gremotool.

Variant table

System 3R GPS-240 with PMC

pneumatic

The PMC series is designed to fit the GPS-240 pallet of System 3R.

Pneumatically supplied from below through the pallet.

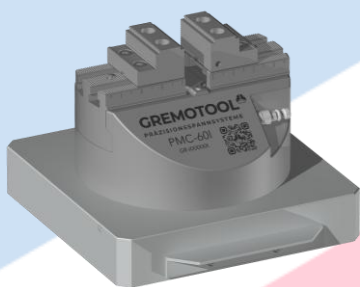
Using the reducing valve the clamping force can be individually adjusted to the workpiece.

The large range of jaws also offers suitable jaws for any application.

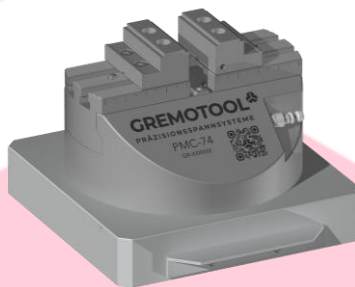
For the exact data of the PMC series, please get directly in touch with us or consult the PMC catalogue.



PMC-60 with System 3R GPS-240 Pallet



**PMC-60I with System 3R
GPS-240 Pallet**



**PMC-74 with System 3R
GPS-240 Pallet**

Further variants can be requested directly by Gremotool.

The shown products and option combinations are examples.
The rights by the respective products are the property of System 3R and/or Gremotool.

Variant table

System 3R GPS-240 with SC

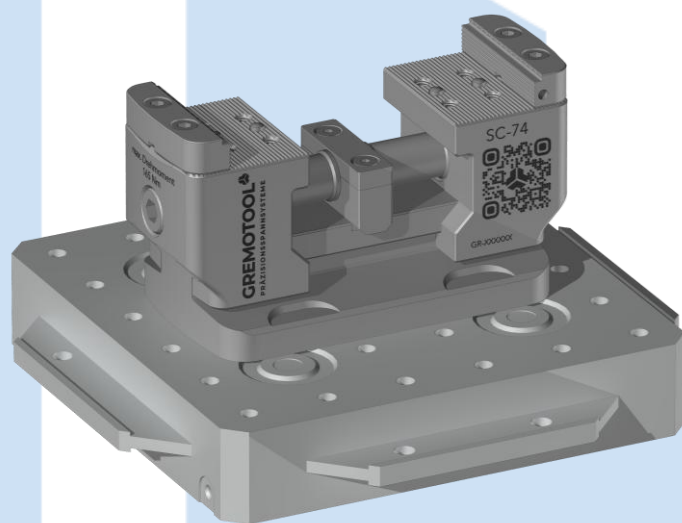
mechanical

The SC series can be mounted on the GPS-240 pallets from System 3R without any modifications.

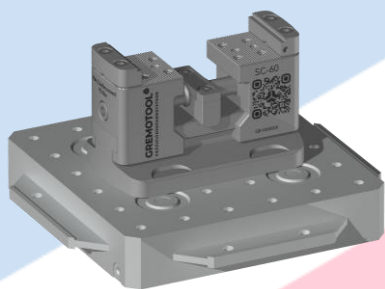
The height of the SC series enables optimum accessibility for 5-axis machining on workpieces.

The large range of jaws also offers suitable jaws for any application.

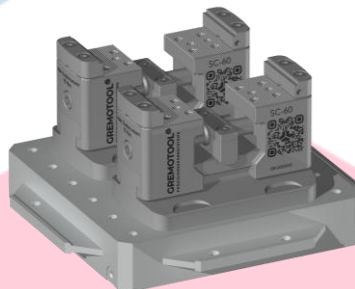
For the exact data of the SC series, please get directly in touch with us or consult the SC catalogue.



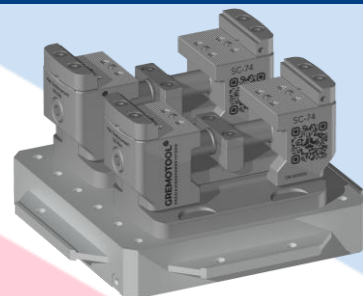
SC-74 with System 3R GPS-240 Pallet



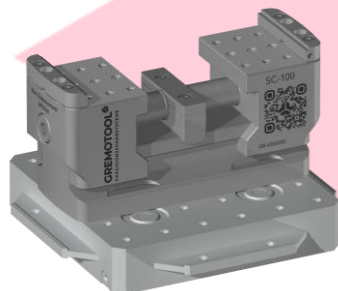
SC-60 with System 3R GPS-240 Pallet



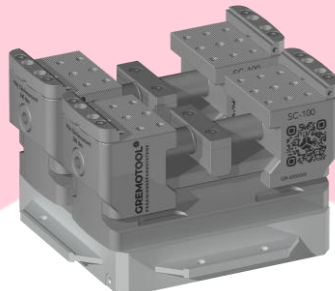
2x SC-60 with System 3R GPS-240 Pallet



2x SC-74 with System 3R GPS-240 Pallet



SC-100 with System 3R GPS-240 Pallet



2x SC-100 with System 3R GPS-240 Pallet

Further variants can be requested directly by Gremotool.

The shown products and option combinations are examples.
The rights by the respective products are the property of System 3R and/or Gremotool.

Variant table

System 3R GPS-240 with LC

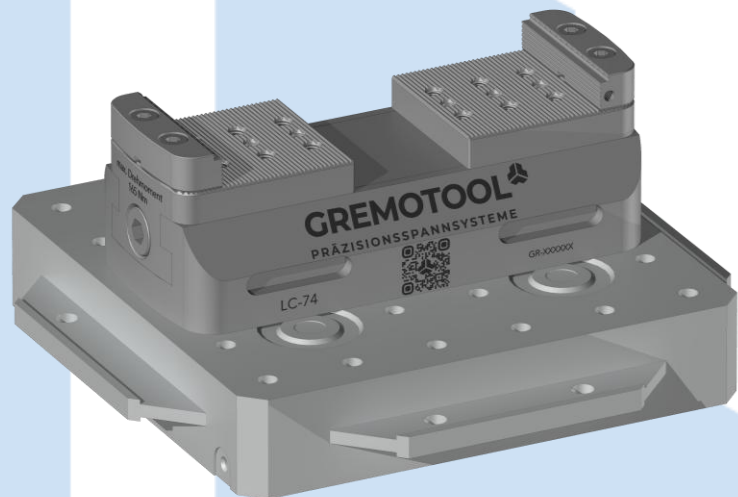
mechanical

The LC series can be mounted on the GPS-240 pallets from System 3R without any modifications.

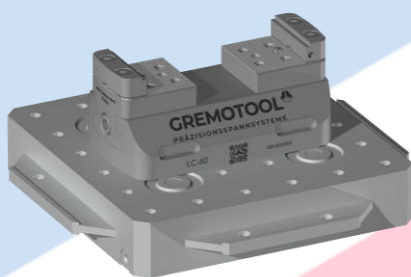
Due to the closed design of the LC series, no chips remain on the clamping device.

The large range of jaws also offers suitable jaws for any application.

For the exact data of the LC series, please get directly in touch with us or consult the LC catalogue.



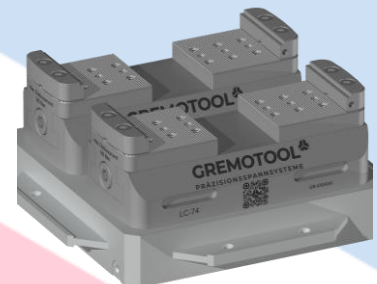
LC-74 with System 3R GPS-240 Pallet



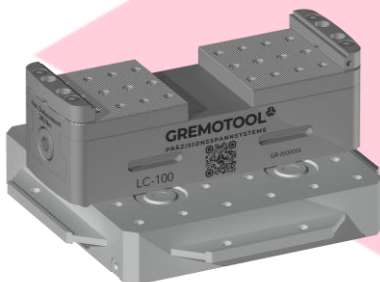
LC-60 with System 3R GPS-240 Pallet



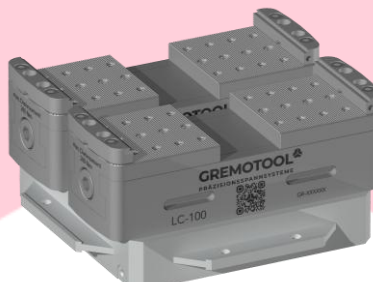
2x LC-60 with System 3R GPS-240 Pallet



2x LC-74 with System 3R GPS-240 Pallet



LC-100 with System 3R GPS-240 Pallet



2x LC-100 with System 3R GPS-240 Pallet

Further variants can be requested directly by Gremotool.

The shown products and option combinations are examples.
The rights by the respective products are the property of System 3R and/or Gremotool.

Variant table

System 3R GPS-240 with RC

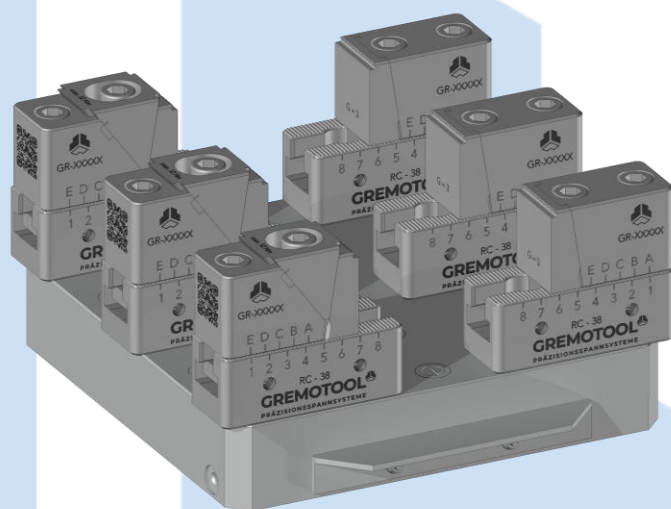
mechanical

The RC-series can be mounted on the bore hole grid panels and on the GPS-240 pallets form System 3R without modifications.

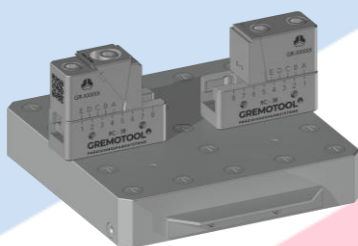
The modular design of the RC-series allows different clamping situations for the workpieces.

The quick-change jaw system offers a pull-down function and the right jaw for the workpieces.

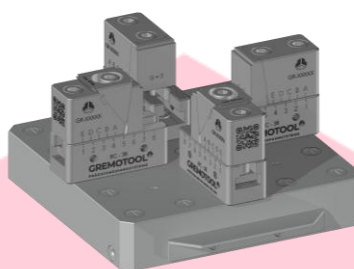
For the exact data of the RC series, please get directly in touch with us or consult the RC catalogue.



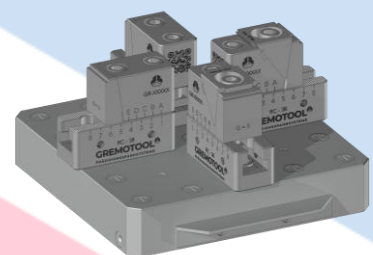
3x RC-38 with System 3R GPS-240 Pallet



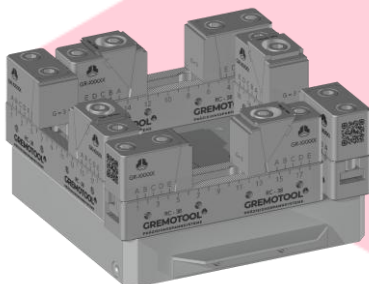
**RC-38 with System 3R
GPS-240 Pallet**



**2x RC-38 with System 3R
GPS-240 Pallet**



**2x RC-38 facing outwards
with System 3R GPS-240 Pallet**



**4x RC-38 with System 3R
GPS-240 Pallet**

Further variants can be requested directly by Gremotool.

The shown products and option combinations are examples.
The rights by the respective products are the property of System 3R and/or Gremotool.

Variant table

System 3R Dynafix with PMC

pneumatic

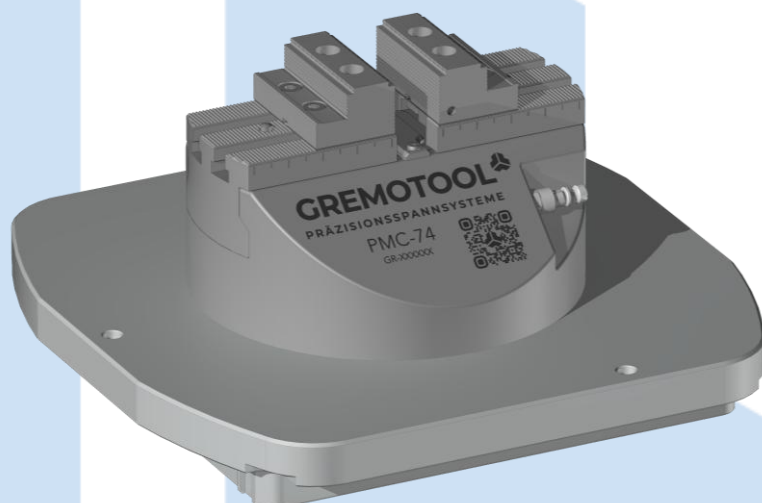
The PMC series is designed to fit the Dynafix pallet from System 3R.

Pneumatically supplied from below through the pallet.

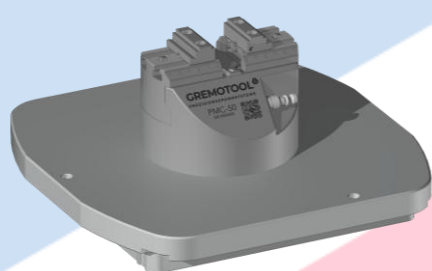
Using the reducing valve the clamping force can be individually adjusted to the workpiece.

The large range of jaws also offers suitable jaws for any application.

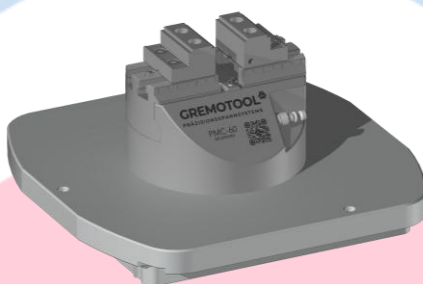
For the exact data of the PMC series, please get directly in touch with us or consult the PMC catalogue.



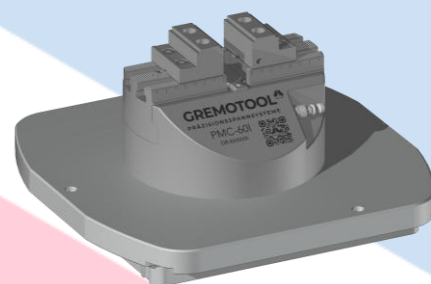
PMC-74 with System 3R Dynafix Pallet



**PMC-50 with System 3R
Dynafix Pallet**



**PMC-60 with System 3R
Dynafix Pallet**



**PMC-60I with System 3R
Dynafix Pallet**

Further variants can be requested directly by Gremotool.

The shown products and option combinations are examples.
The rights by the respective products are the property of System 3R and/or Gremotool.

mechanical

Variant table

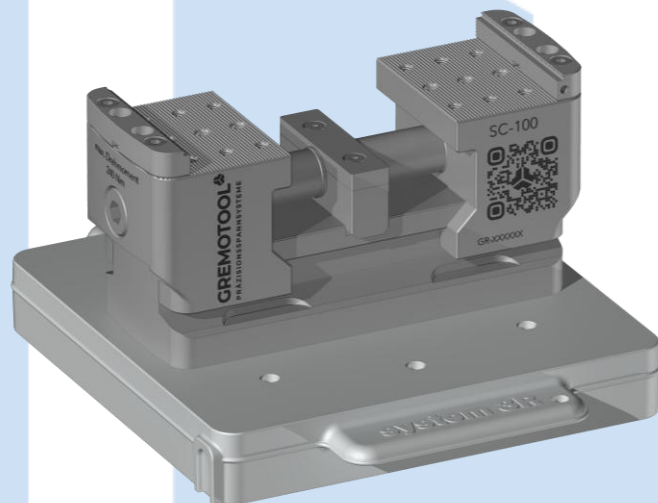
System 3R Dynafix with SC

The SC series can be mounted on the Dynafix pallets from System 3R without any modifications.

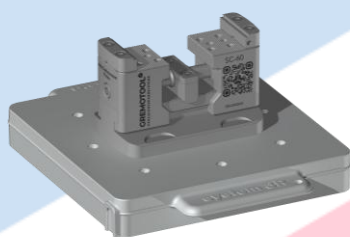
The height of the SC series enables optimum accessibility for 5-axis machining on workpieces.

The large range of jaws also offers suitable jaws for any application.

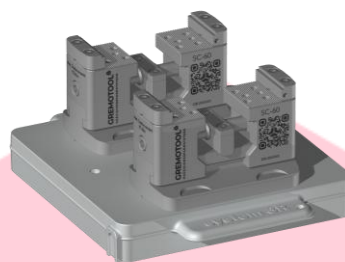
For the exact data of the SC series, please get directly in touch with us or consult the SC catalogue.



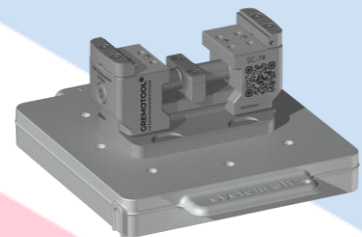
SC-100 with System 3R Dynafix Palette



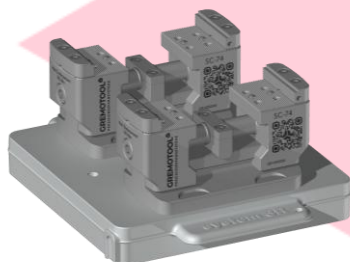
**SC-60 with System 3R
Dynafix Pallet**



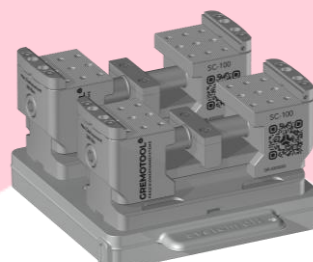
**2x SC-60 with System 3R
Dynafix Pallet**



**SC-74 with System 3R
Dynafix Pallet**



**2x SC-74 with System 3R
Dynafix Pallet**



**2x SC-100 with System 3R
Dynafix Pallet**

Further variants can be requested directly by Gremotool.

The shown products and option combinations are examples.
The rights by the respective products are the property of System 3R and/or Gremotool.

Variant table

System 3R Dynafix with LC

mechanical

The LC series can be mounted on the Dynafix pallets from System 3R without any modifications.

Due to the closed design of the LC series, no chips remain on the clamping device.

The large range of jaws also offers suitable jaws for any application.

For the exact data of the LC series, please get directly in touch with us or consult the LC catalogue.



LC-100 with System 3R Dynafix Pallet



**LC-60 with System 3R
Dynafix Pallet**



**2x LC-60 with System 3R
Dynafix Pallet**



**LC-74 with System 3R
Dynafix Pallet**



**2x LC-74 with System 3R
Dynafix Pallet**



**2x LC-100 with System 3R
Dynafix Pallet**

Further variants can be requested directly by Gremotool.

The shown products and option combinations are examples.
The rights by the respective products are the property of System 3R and/or Gremotool.

Variant table

System 3R Dynafix with RC

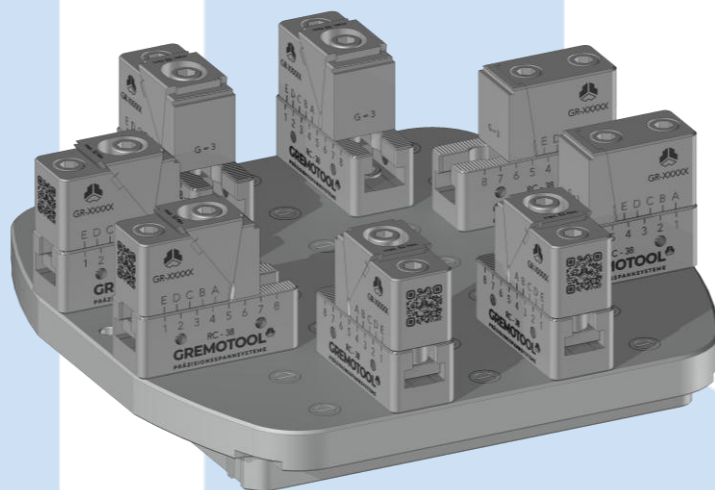
mechanical

The RC-series can be mounted on the bore hole grid panels and on the Dynafix pallets form System 3R without modifications.

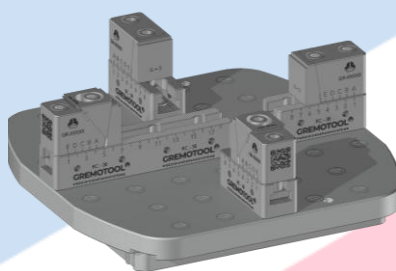
The modular design of the RC-series allows different clamping situations for the workpieces.

The quick-change jaw system offers a pull-down function and the right jaw for the workpieces.

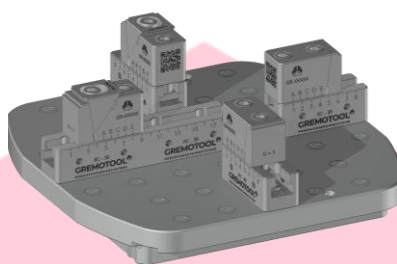
For the exact data of the RC series, please get directly in touch with us or consult the RC catalogue.



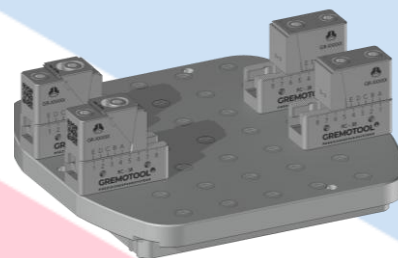
4x RC-38 with System 3R Dynafix Pallet



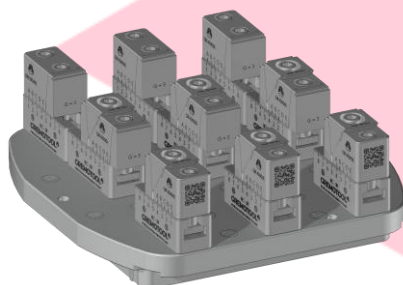
2x RC-38 with System 3R Dynafix Pallet



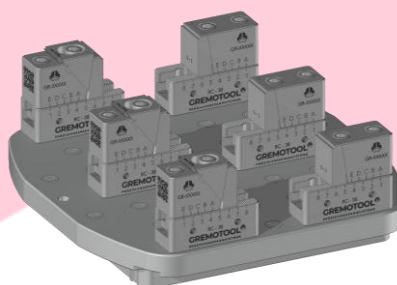
2x RC-38 facing outwards with System 3R Dynafix Pallet



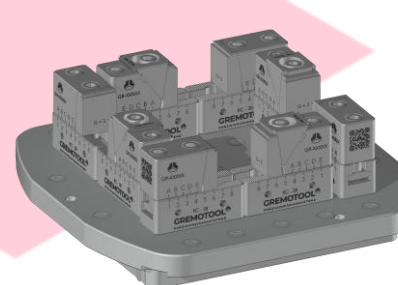
2x RC-38 with System 3R Dynafix Pallet



3x RC-38 with System 3R Dynafix Pallet



3x RC-38 with System 3R Dynafix Pallet



4x RC-38 with System 3R Dynafix Pallet

Further variants can be requested directly by Gremotool.

The shown products and option combinations are examples.
The rights by the respective products are the property of System 3R and/or Gremotool.

Variant table

System 3R Delphin with PMC/HMC

pneumatic /
hydraulic

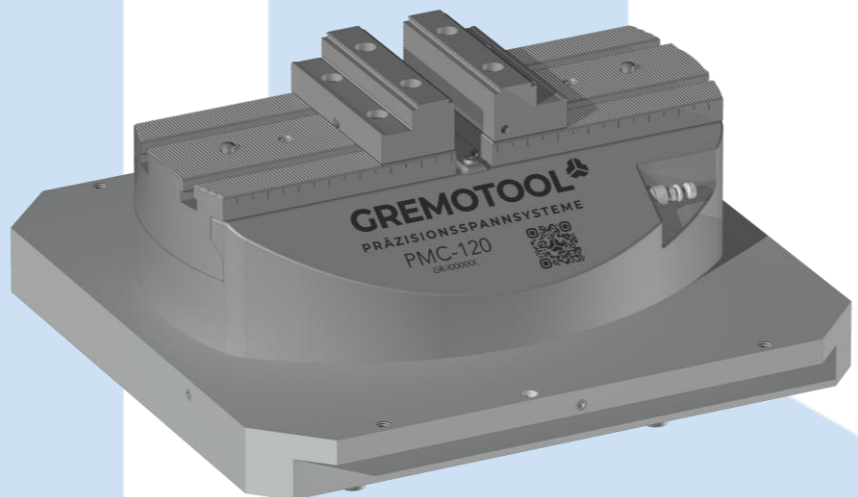
The PMC/HMC series is designed to fit the Delphin pallets of System 3R.

Pneumatically or hydraulically supplied from below through the pallet.

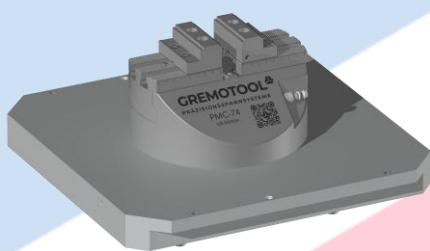
The clamping force of the PMC can be individually adjusted to the workpiece using the reducing valve.

The large range of jaws also offers suitable jaws for any application.

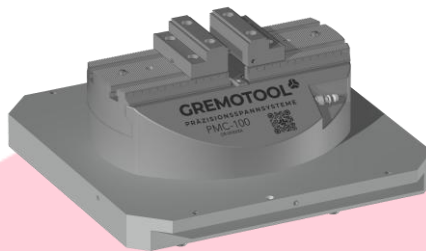
For the exact data of the PMC/HMC series, please get directly in touch with us or consult the PMC/HMC catalogue.



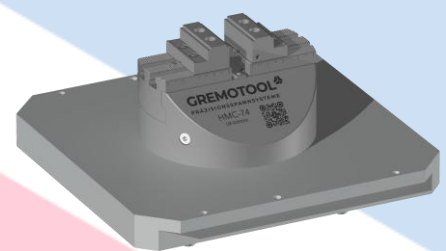
PMC-120 with System 3R Delphin 398 Pallet



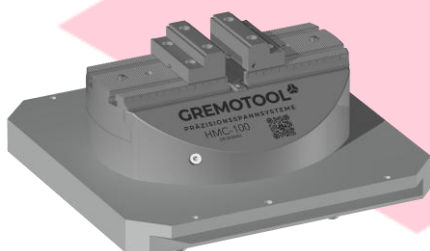
**PMC-74 with System 3R
Delphin 398 Pallet**



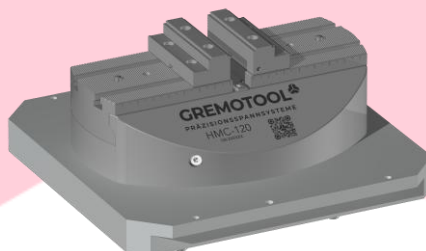
**PMC-100 with System 3R
Delphin 398 Pallet**



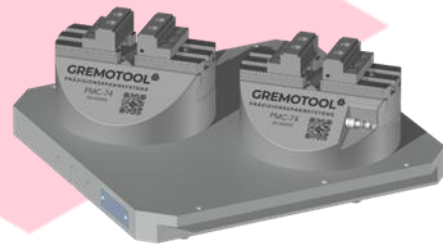
**HMC-74 with System 3R
Delphin 398 Pallet**



**HMC-100 with System 3R
Delphin 398 Pallet**



**HMC-120 with System 3R
Delphin 398 Pallet**



**2x PMC-74 with System 3R
Delphin 448 Pallet**

Further variants can be requested directly by Gremotool.

The shown products and option combinations are examples.
The rights by the respective products are the property of System 3R and/or Gremotool.

mechanical

Variant table

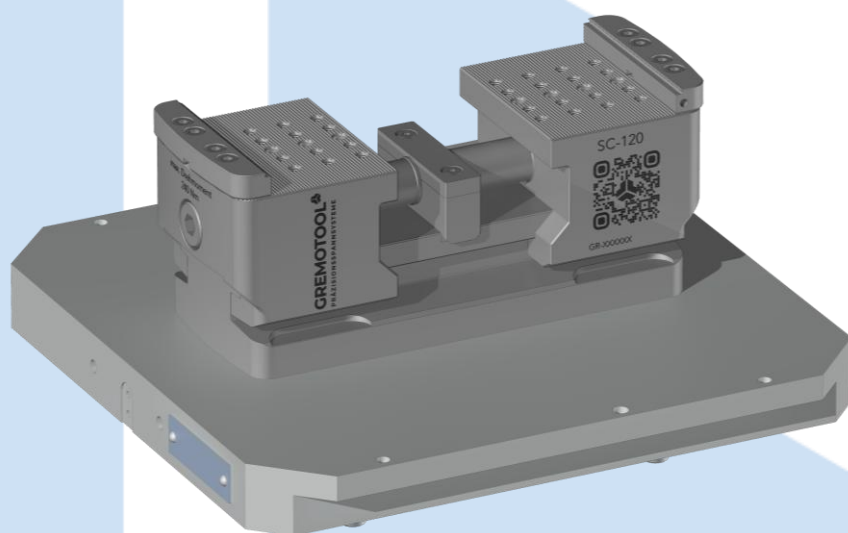
System 3R Delphin with SC

The SC series can be mounted on the Delphin pallets from System 3R without any modifications.

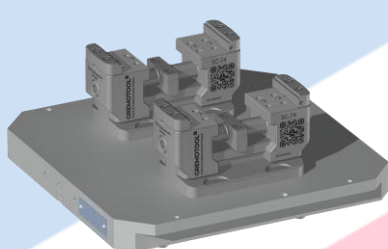
The height of the SC series enables optimum accessibility for 5-axis machining on workpieces.

The large range of jaws also offers suitable jaws for any application.

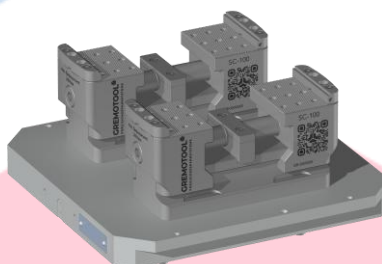
For the exact data of the SC series, please get directly in touch with us or consult the SC catalogue.



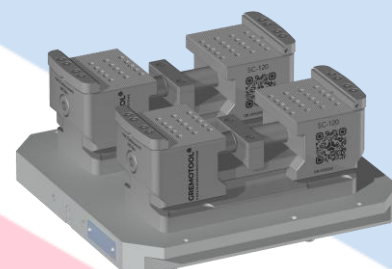
SC-120 with System 3R Delphin 398 Pallet



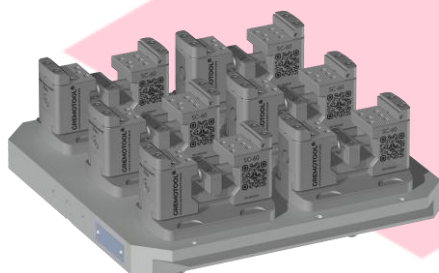
**2x SC-74 with System 3R
Delphin 398 Pallet**



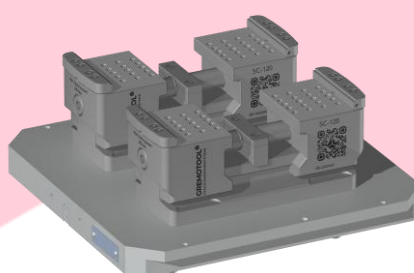
**2x SC-100 with System 3R
Delphin 398 Pallet**



**2x SC-120 with System 3R
Delphin 398 Pallet**



**6x SC-60 with System 3R
Delphin 448 Pallet**



**2x SC-120 with System 3R
Delphin 448 Pallet**

Further variants can be requested directly by Gremotool.

The shown products and option combinations are examples.
The rights by the respective products are the property of System 3R and/or Gremotool.

mechanical

Variant table

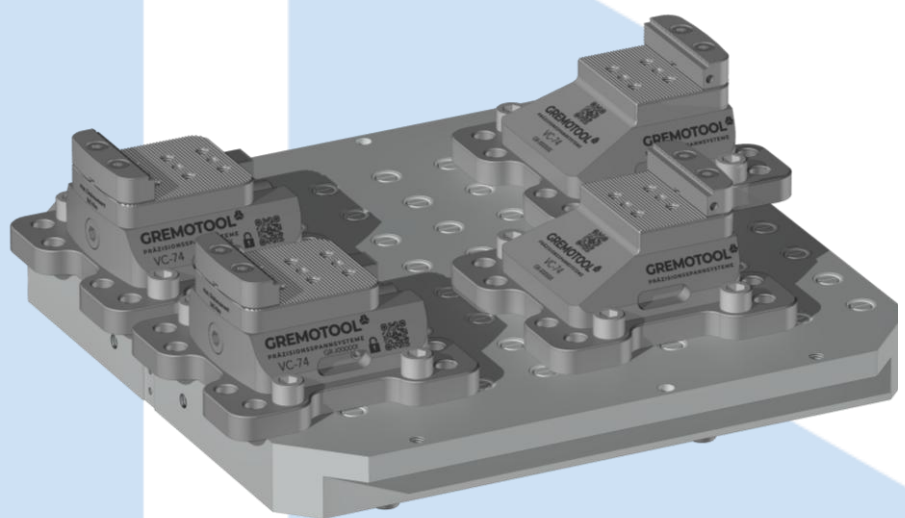
System 3R Delphin with VC

The VC series can be mounted on the bore hole grid panels and on the Delphin pallets from System 3R without modifications.

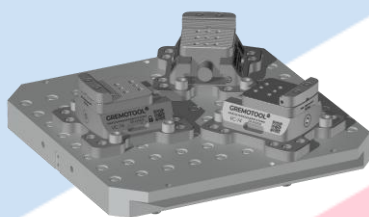
The modular design of the clamping system allows the clamping device to be customised to the respective application.

The large range of jaws also offers suitable jaws for any application.

For the exact data of the VC series, please get directly in touch with us or consult the VC catalogue.



2x VC-74 with System 3R Delphin 398 Pallet



**3x VC-74 with System 3R
Delphin 398 Pallet**

Further variants can be requested directly by Gremotool.

The shown products and option combinations are examples.
The rights by the respective products are the property of System 3R and/or Gremotool.

mechanical

Variant table

System 3R Delphin with LC

The LC series can be mounted on the Delphin pallets from System 3R without any modifications.

Due to the closed design of the LC series, no chips remain on the clamping device.

The large range of jaws also offers suitable jaws for any application.

For the exact data of the LC series, please get directly in touch with us or consult the LC catalogue.



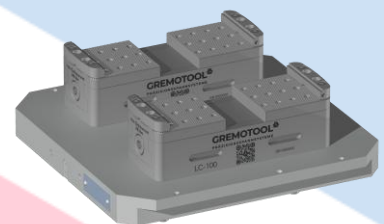
LC-120 with System 3R Delphin 398 Pallet



**LC-150 with System 3R
Delphin 398 Pallet**



**2x LC-74 with System 3R
Delphin 398 Pallet**



**2x LC-100 with System 3R
Delphin 398 Pallet**



**2x LC-120 with System 3R
Delphin 398 Pallet**



**2x LC-120 with System 3R
Delphin 448 Pallet**



**2x LC-150 with System 3R
Delphin 448 Pallet**

Further variants can be requested directly by Gremotool.

The shown products and option combinations are examples.
The rights by the respective products are the property of System 3R and/or Gremotool.

mechanical

Variant table

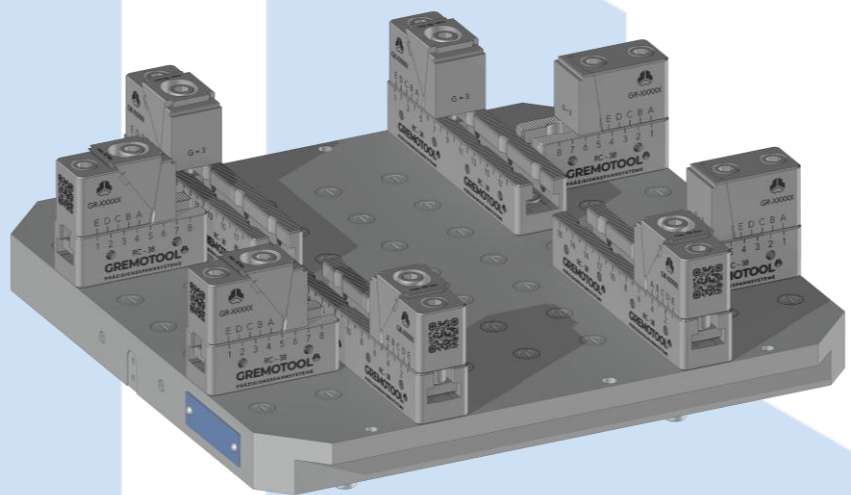
System 3R Delphin with RC

The RC-series can be mounted on the bore hole grid panels and on the Dynafix pallets form System 3R without modifications.

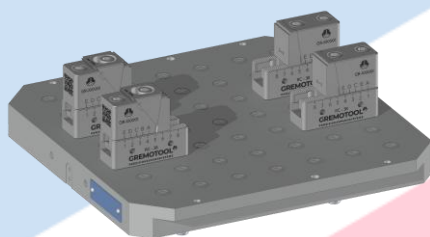
The modular design of the RC-series allows different clamping situations for the workpieces.

The quick-change jaw system offers a pull-down function and the right jaw for the workpieces.

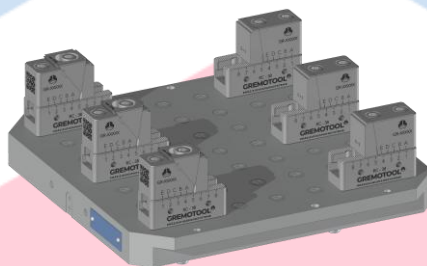
For the exact data of the RC series, please get directly in touch with us or consult the RC catalogue.



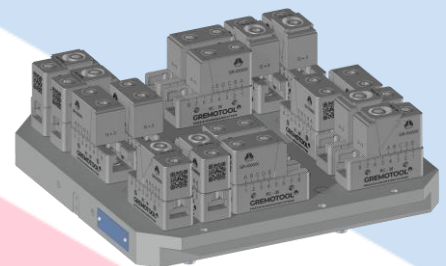
4x RC-38 with System 3R Delphin 448 Pallet



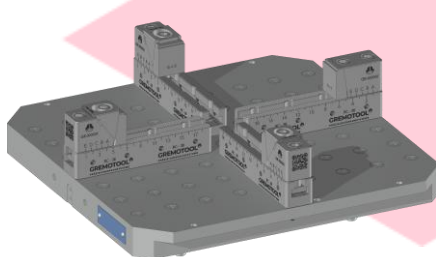
2x RC-38 with System 3R Delphin 398 Pallet



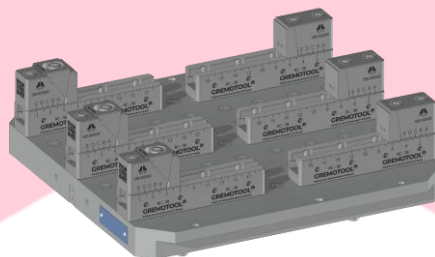
3x RC-38 with System 3R Delphin 398 Pallet



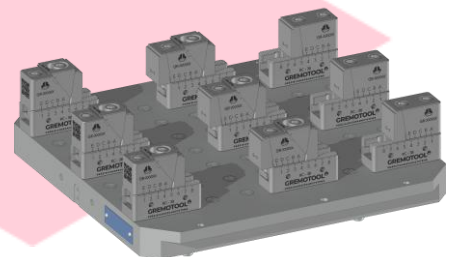
8x RC-38 with System 3R Delphin 398 Pallet



2x RC-38 with System 3R Delphin 448 Pallet



3x RC-38 with System 3R Delphin 448 Pallet



3x RC-38 with System 3R Delphin 448 Pallet

Further variants can be requested directly by Gremotool.

The shown products and option combinations are examples.
The rights by the respective products are the property of System 3R and/or Gremotool.

Applications

Zero-point clamping systems

The System 3R centring elements can be attached directly to the clamping system to generate fewer interfaces.

If further requirements are placed on the clamping systems, these can be integrated into the pallet geometries. This frees up several millimetres of machining space without compromising the functionality or automation capability of the clamping devices.

Special dimensions are another way of optimising the space required for production.

For these suggested solutions, please get directly in touch with us.



2x LC-150k with System 3R Delphin 398 Pallet



**SC-50k with System 3R
Macro Pallet**



**LC-50 with integrated System 3R
GPS-120 Pallet automatable**

Further variants can be requested directly by Gremotool.

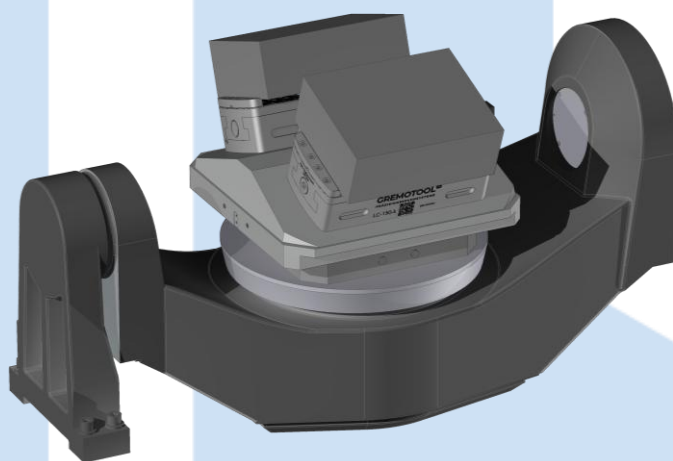
The shown products and option combinations are examples.
The rights by the respective products are the property of System 3R and/or Gremotool.

Applications

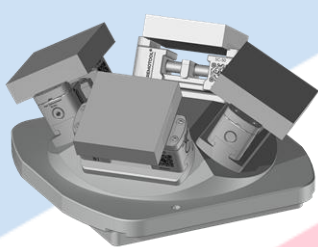
Gremotool Fixture

Today's cost-effective production requires flexible solutions for maximum efficiency. We can contribute to maximum utilisation of the processing machine with towers, prisms, or pyramids.

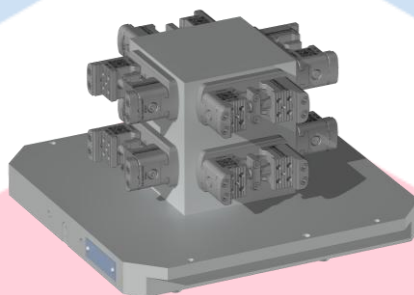
For suggested solutions in multiple clamping, please get directly in touch with us.



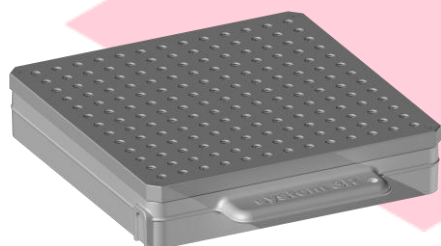
2x LC-150k with prism on System 3R Delphin 398 Pallet



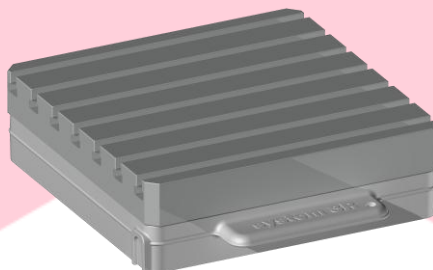
4x SC-50 with Pyramid on System 3R Dynafix Pallet



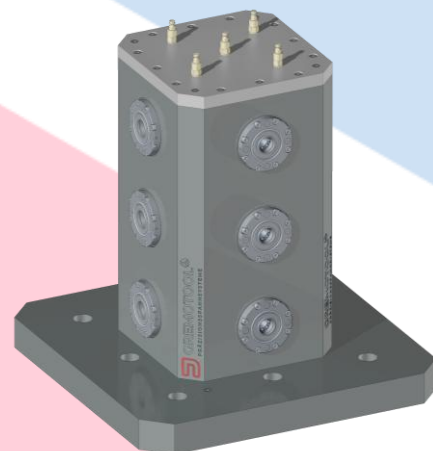
8x SC-40 with Tower on System 3R Delphin 398 Pallet



M8 hole pattern plate with System 3R Dynafix Pallet



T-slot plate with System 3R Dynafix Pallet



Tower with Delphin Short zero-point chuck

Further variants can be requested directly by Gremotool.

The shown products and option combinations are examples.
The rights by the respective products are the property of System 3R and/or Gremotool.

Accessories

Gremotool range of jaws

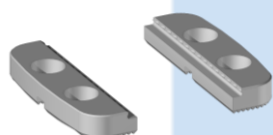
Each clamping system is supplied with a pair of gripper jaws allowing to clamp unmachined parts at no additional costs.

Jaw width [mm]		34	40	50	60	74	100	120	150
SC-LC Gripper jaw low	Nr. 837110			X	X	X	X	X	
Standard SC-LC Gripper jaw	Nr. 837150			X	X	X	X	X	
Standard PMC-HMC Gripper jaw	Nr. 837250			X	X	X	X	X	
Gripper jaw high	Nr. 837300			X	X	X	X	X	
Combi gripper jaw	Nr. 837350			X	X	X	X	X	
Gripper jaw high one sided	Nr. 837380			X	X	X	X	X	
Step jaw high one sided deep	Nr. 837400			X	X	X	X	X	
Step jaw low	Nr. 837410			X	X	X	X	X	
Step jaw	Nr. 837450			X	X	X	X	X	
Step jaw high one sided	Nr. 837480			X	X	X	X	X	
Prism jaw	Nr. 837500			X	X	X	X	X	
Soft jaw aluminium	Nr. 837702			X	X	X	X	X	
Soft jaw steel	Nr. 837703			X	X	X	X	X	

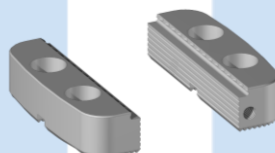
For the exact data of the jaws, please consult the jaw catalogue.

Accessories

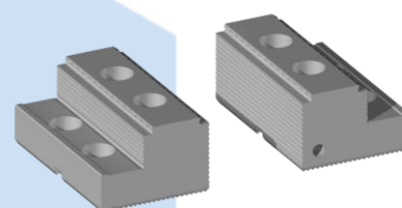
Gremotool range of jaws



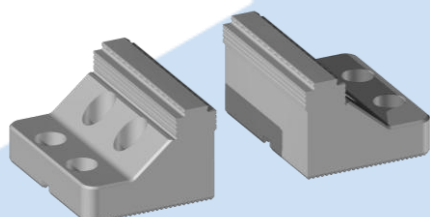
SC-LC Gripper jaw low
Nr. 837110-BXX



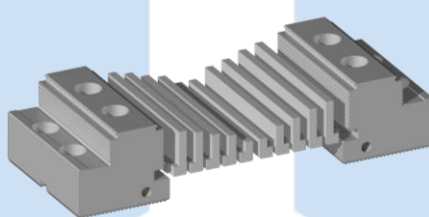
Standard SC-LC Gripper jaw
Nr. 837150-BXX



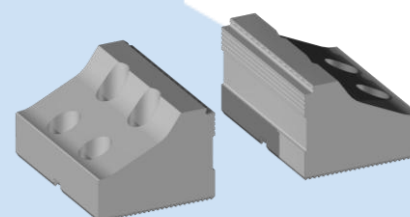
Standard PMC-HMC Gripper jaw
Nr. 837250-BXX



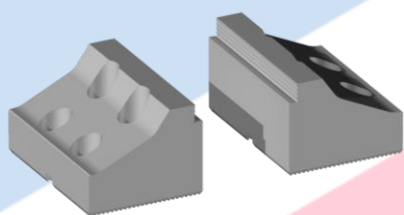
Gripper jaw high
Nr. 837300-BXX



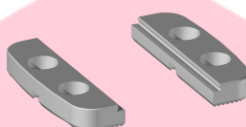
Combi gripper jaw
Nr. 837350-BXX



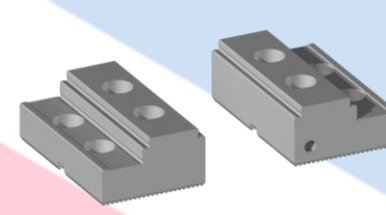
Gripper jaw high one-sided
Nr. 837380-BXX



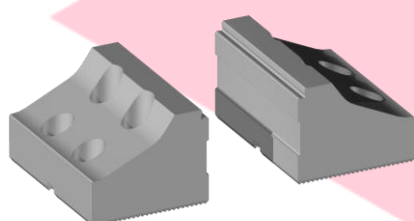
Step jaw high one sided deep
Nr. 837400-BXX



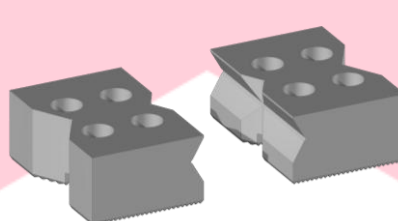
Step jaw low
Nr. 837410-BXX



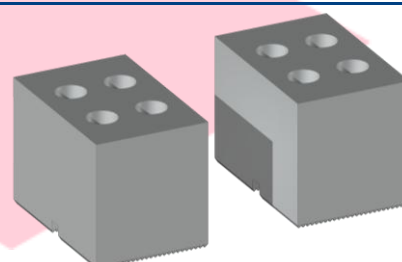
Step jaw
Nr. 837450-BXX



Step jaw high one-sided
Nr. 837480-BXX



Prism jaw
Nr. 837500-BXX



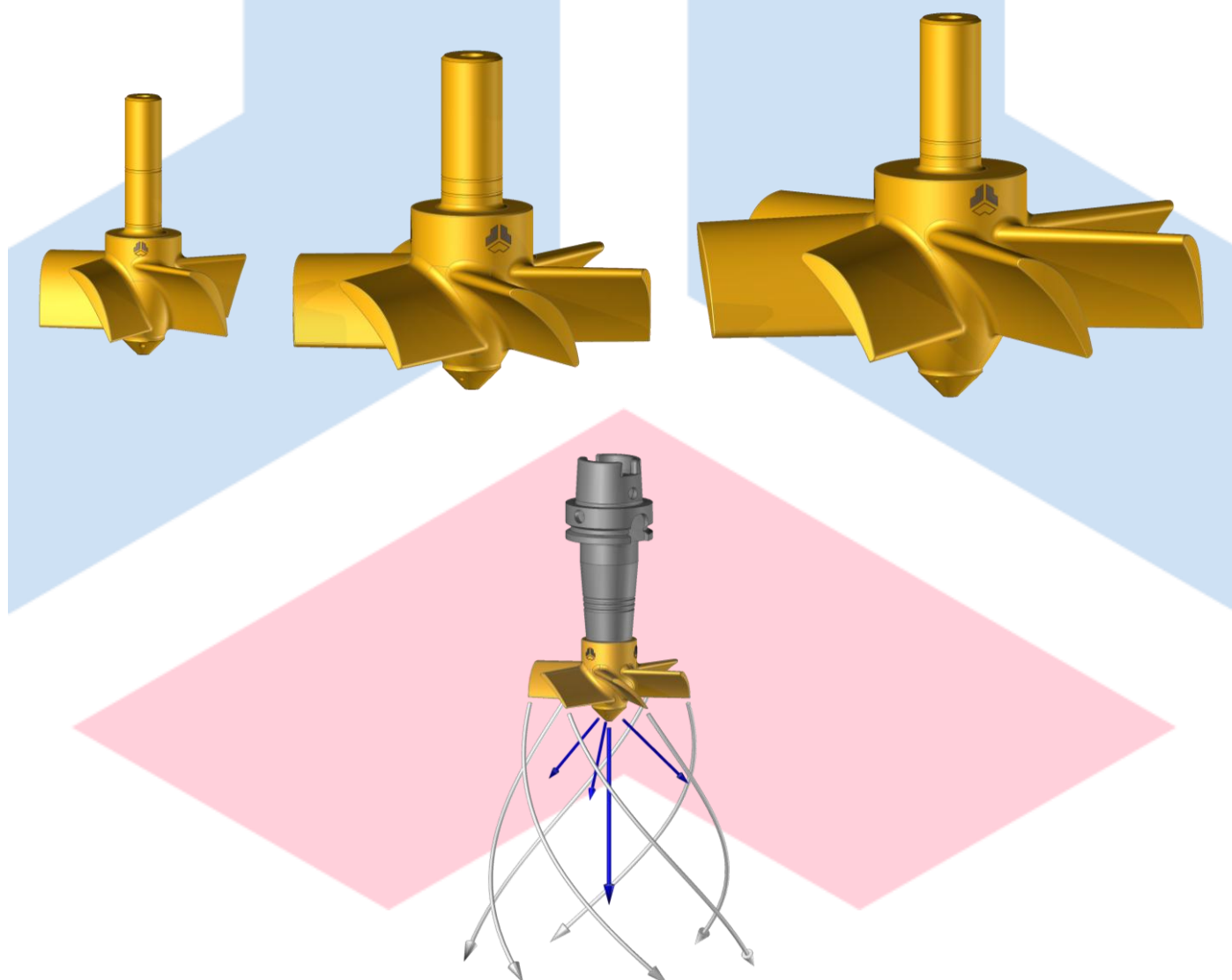
Soft jaw aluminium / steel
Nr. 837702-BXX / 837703-BXX

Accessories

Gremotool TCF

Gremotool Turbo Chip Fan ø68, ø117 and ø166

With the Turbo Chip Fan from Gremotool, the machining centre can automatically remove residues of chips and cooling lubricants from the workpiece, the clamping device and the machining table after the manufacturing process. This allows the operator, whether human or robot, to remove a cleaned workpiece from the machining area of the machine tool without having to wash it down beforehand with an air or water jet. When using robots, this cleaning of chips is essential, as the chips have a negative impact on process stability. The risk of chips becoming jammed during reloading is significantly reduced.



Accessories

Gremotool CLT-filter system

Gremotool Cooling Liquid Treatment (CLT):

- Can be easily integrated into existing cooling lubricant systems
- Optimal addition to belt filters and magnetic separators
- Filtration of steel, cast iron, graphite, aluminium, copper, brass, tool abrasion and grinding dust
- Improves surface quality in metalworking
- Extends the service life of machining tools and cooling lubricants
- Oil and sludge absorbing filter unit
- Reduces wear on system components (valves, nozzles, pumps, rotary joints)
- No external power supply
- Extremely easy to operate and maintain
- Reduces your operating and disposal costs

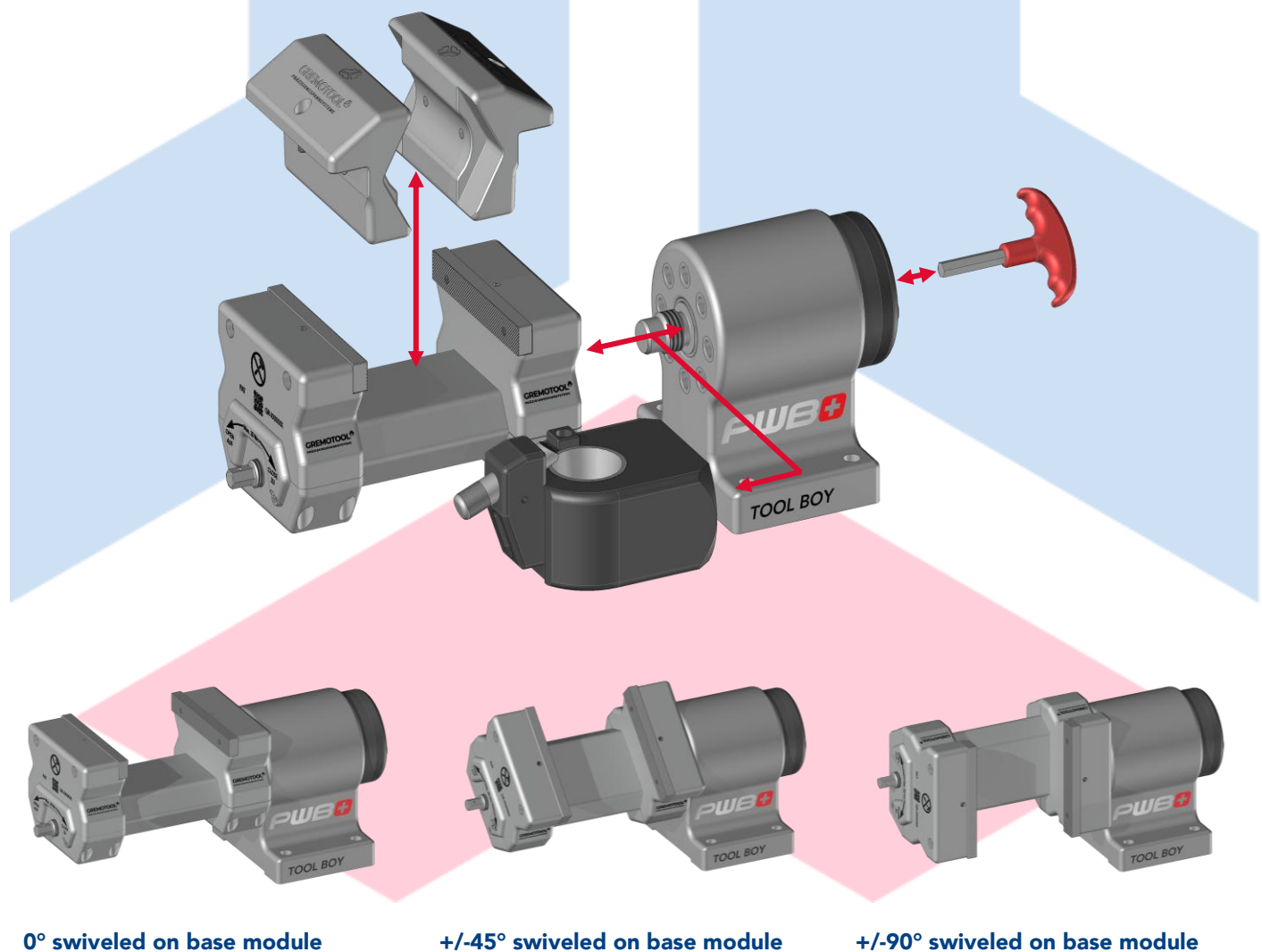


Accessories

Gremotool PAT Toolboy Vice

Gremotool PAT Toolboy Vice

Gremotool has added a new universal adapter to pwb's machining tool mounting aid. The PAT is a vice that can be attached to the base of the ToolBoy. This allows it to be used flexibly for clamping workpieces. The interaction of both elements allows the PAT to be swiveled, just like the machining tool holders. Various machining tools and workpieces can be clamped in the vice with magnetic protective jaws without damage and without having to change the adapter.



Regulations

MR 2023/1230 – MD 2006/42/EC

Operating instructions:

Detailed instructions are essential for the correct operation, maintenance and troubleshooting of the system. They must contain all safety-related information. Operating instructions will be available for the individual components. However, the system itself, i.e. the interaction of the individual components used, must be evaluated in a system operating manual.

CE Declaration of Incorporation:

The CE marking confirms that the system complies with European safety and health requirements. This declaration is particularly important for machines in the EU.

Risk and safety assessment:

Before commissioning, a comprehensive analysis must be carried out to identify potential hazards and define appropriate protective measures.

Software update:

Regular updates ensure optimal performance and security improvements. They may include new features and bug fixes.

Cyber security:

In networked systems, data and access must be protected to prevent attacks, manipulation or unauthorised access.

Remote maintenance:

Modern systems often offer remote monitoring and maintenance capabilities, which can reduce down-time and lower maintenance costs.



Gremotool und System 3R

Gremotool clamping systems with System 3R

Optimise your logistics with Gremotool – your expert in workpiece handling

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system 3R

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System 3R

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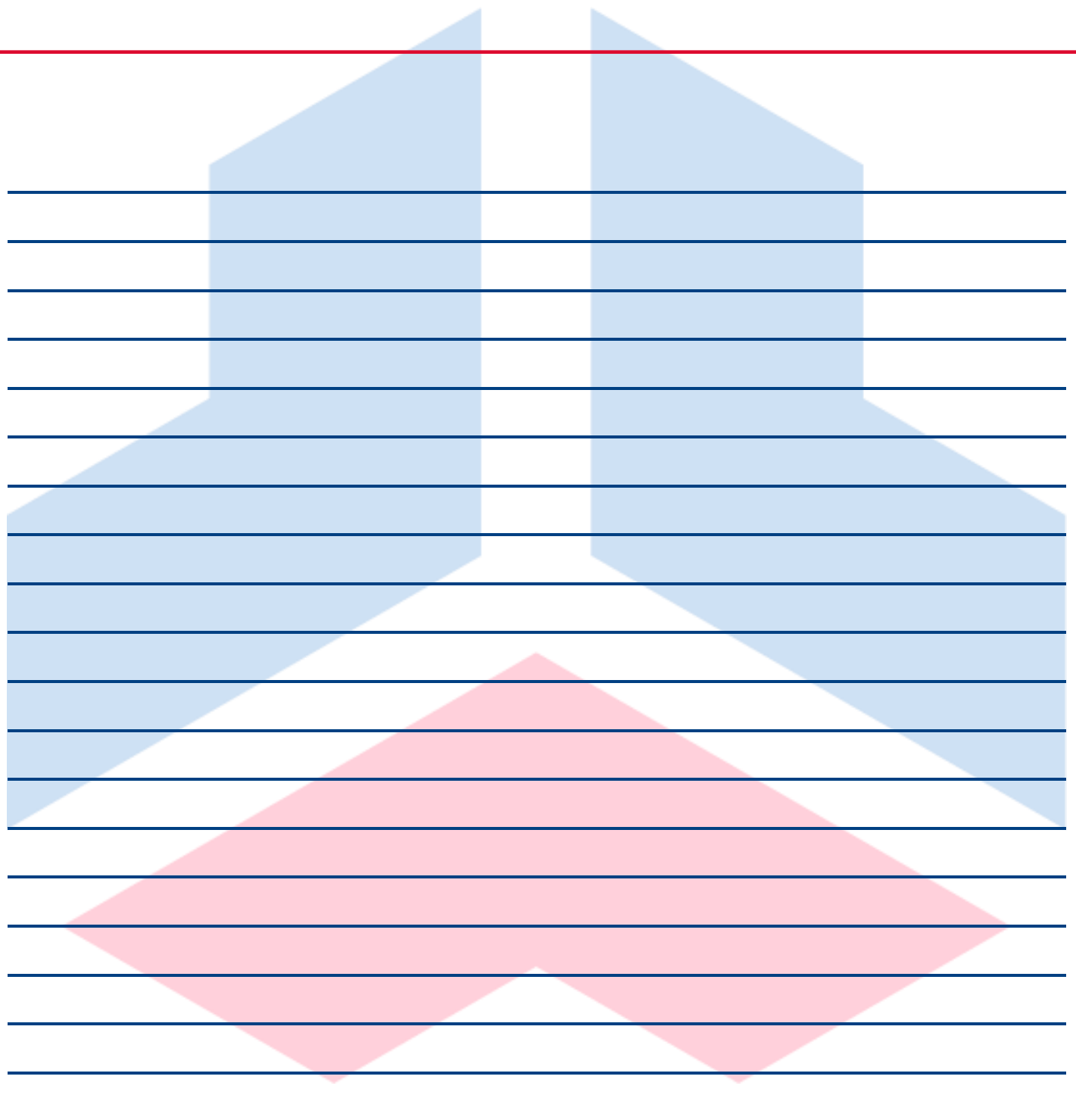
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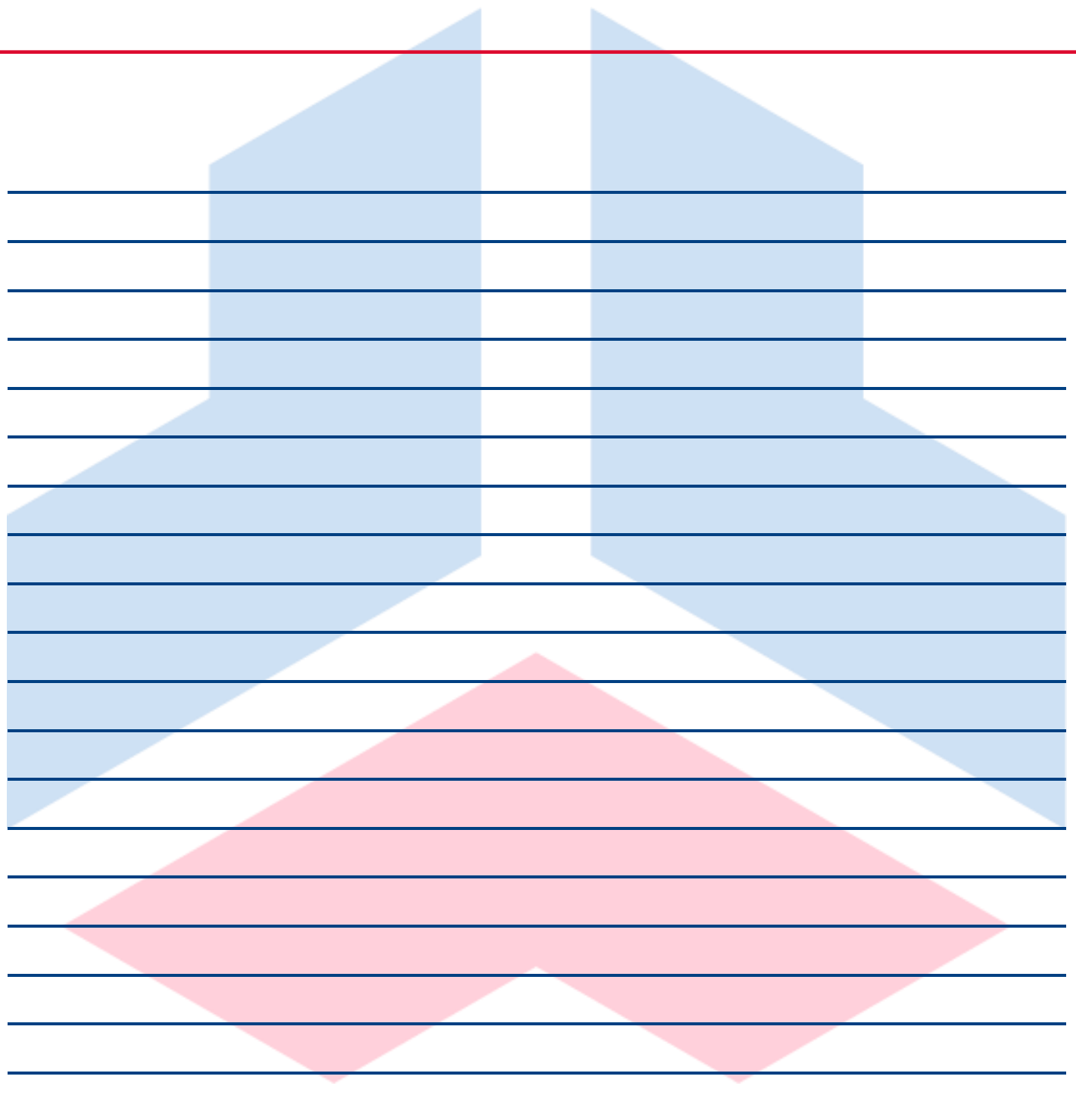
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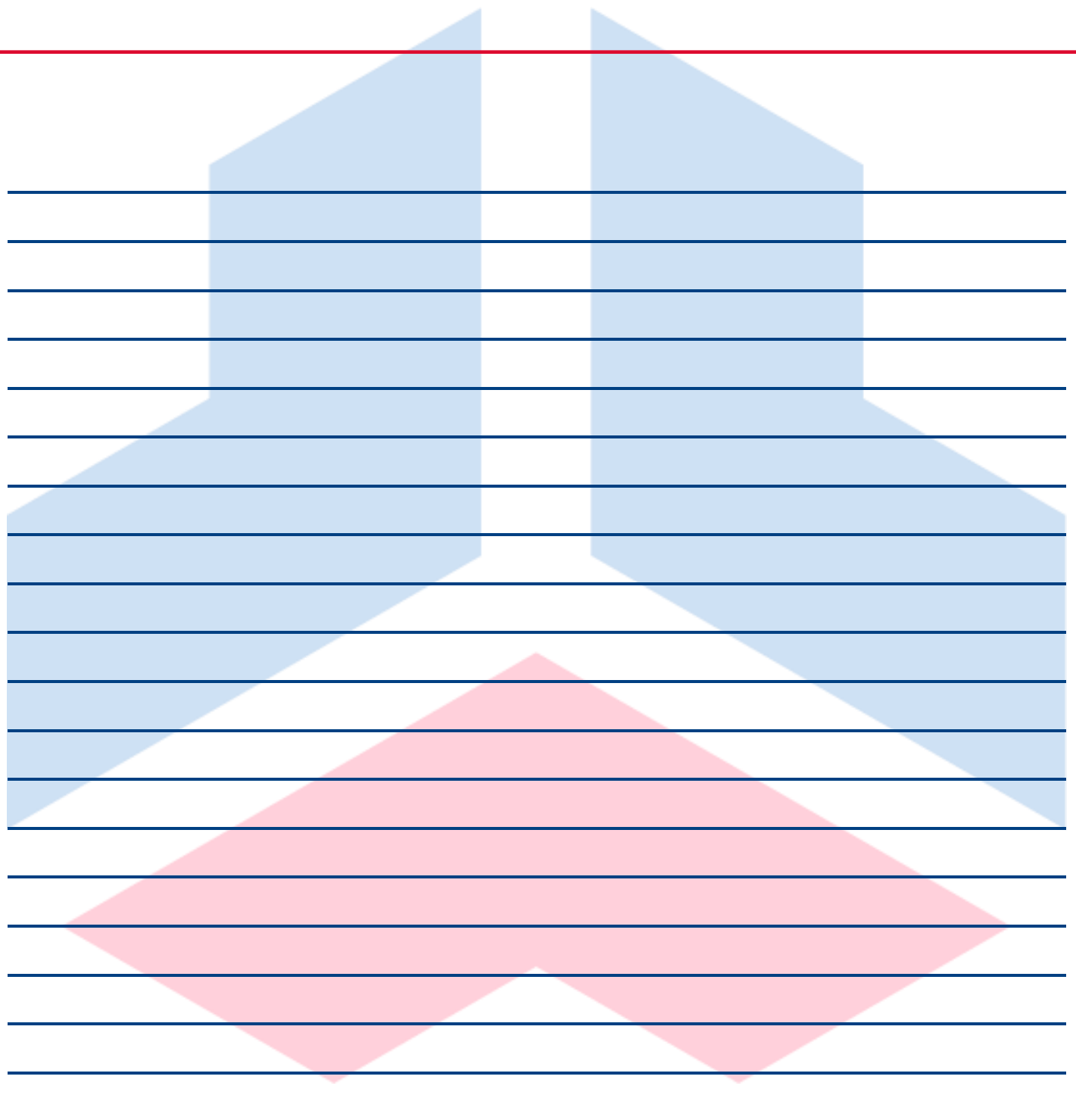
A decorative background for the notes section. It features a light blue background with a series of horizontal blue lines. Overlaid on these lines are two large, light blue geometric shapes that resemble stylized 'M' or 'W' characters, facing each other. At the bottom, there is a large, light pink diamond shape. A thin red horizontal line is positioned above the first set of horizontal lines.

Notes



The background of the notes section features a series of horizontal blue lines. Overlaid on these lines are large, semi-transparent geometric shapes: two blue trapezoids at the top and a large pink diamond shape at the bottom.

Notes



A decorative background for the notes section. It features a light blue background with a series of horizontal blue lines. Overlaid on these lines are two large, light blue geometric shapes that resemble stylized, mirrored 'V' or 'W' shapes. At the bottom of the page, there is a large, light pink diamond shape. The overall design is clean and modern.



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