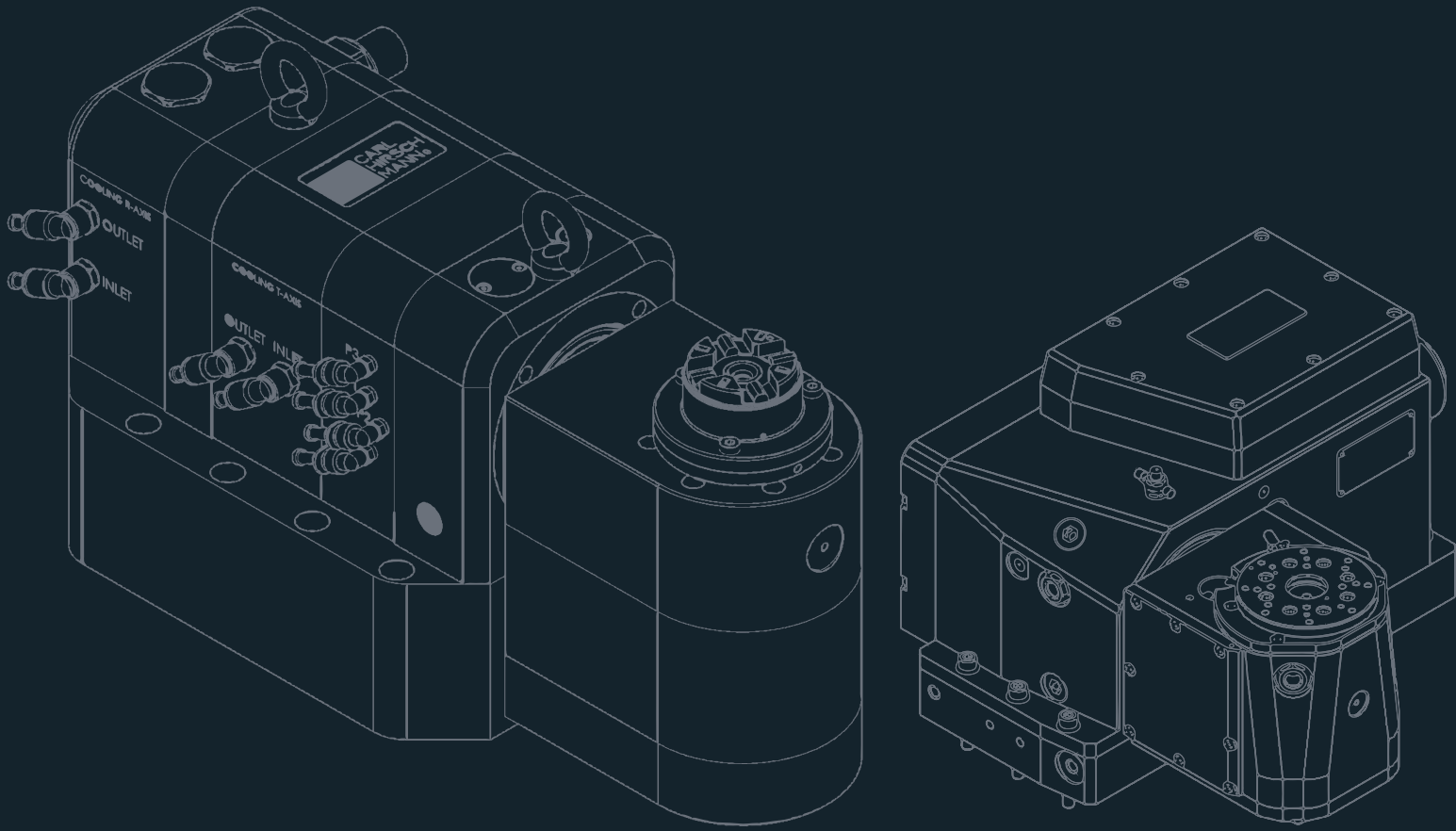


the **precision** benchmark



Rotary Tables Indexing Spindles

For the highest precision manufacturing

**CARL
HIRSCH
MANN®** 

Precision out of passion

Highest precision is the distinctive trademark of our rotary indexing tables. With great passion and deep special know-how we develop and manufacture trend-setting products for your ambitious requirements – since decades and with increasing enthusiasm. As a leading manufacturer of rotary indexing tables for EDM, HSC, laser machines, and for machining centers, we convince with our competence enables us to proven solutions and innovative conceptual approaches. We are the system proven with engineering for state of the art projects.

Carl Hirschmann – the precision benchmark

Our rotary indexing tables and our rotating spindles are specially designed for use on EDM, HSC and laser machines. They are completely sealed (IP68) and can therefore be used in the dielectric fluid of die-sinking and wire EDM. Rotary indexing tables substantially extend the application range of EDM machines. Spiral cuts, helixes, highly precise pitches, etc., can be made without any problems even from materials that are difficult to cut. Close coordination with our customers guarantees perfect results even for complex challenges. Take advantage of our full service from one source. Using our rotary indexing tables, rotating and indexing spindles, provides you, with unbeatable advantages in global competition.



Operation

Operation is only guaranteed by observing all operating instructions and information given in this catalog. This ensures that there is no risk to persons or machines.

Maintenance and Care

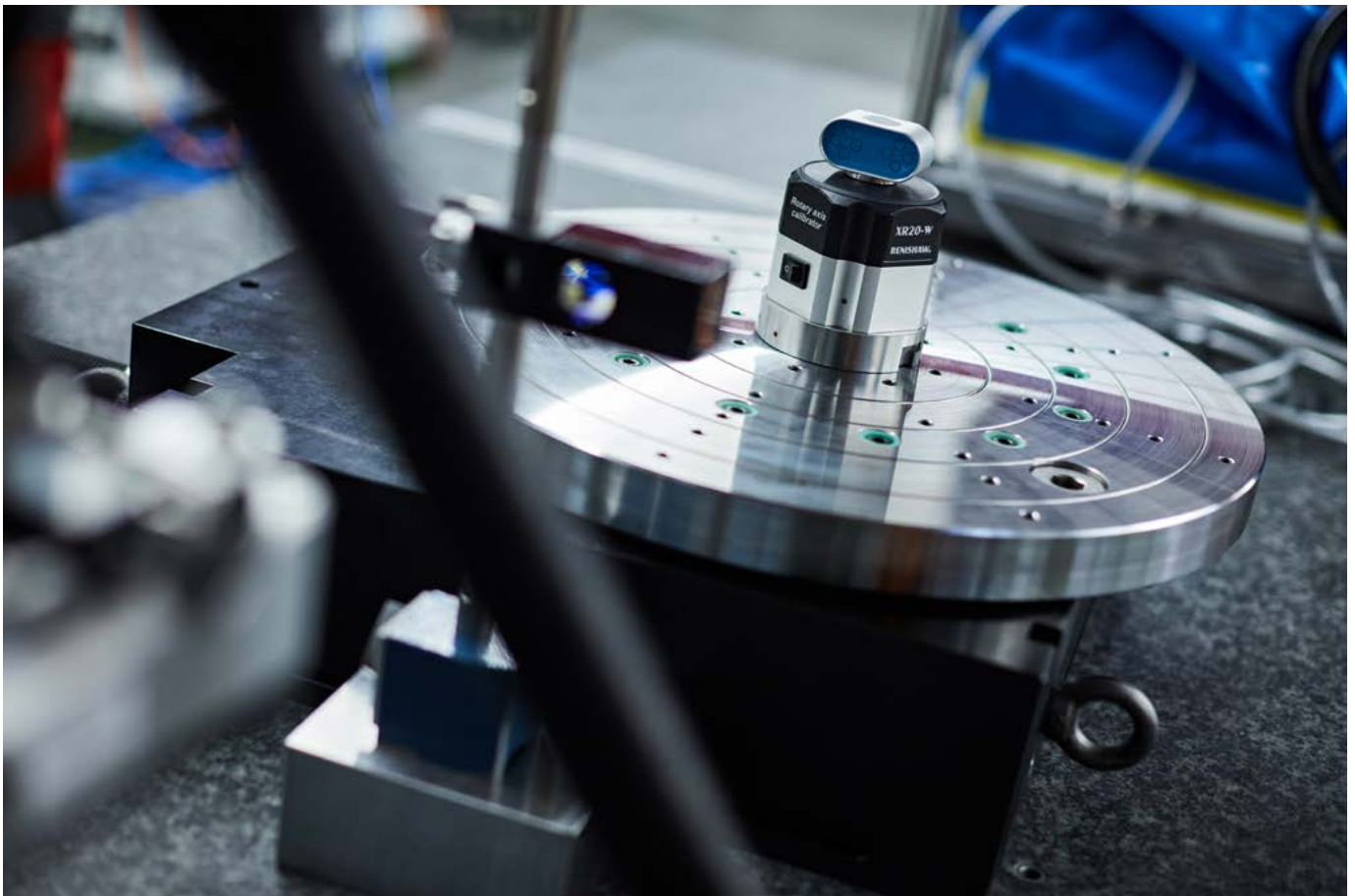
As our products are subject to mechanical and chemical-physical influences, special attention must be paid to maintenance and care.

Technical Modifications

All products shown in this catalog are subject to continuous further development. We therefore reserve the right for technical modifications.

Quality according to standard ISO 9001 and EN 9100

All products of Carl Hirschmann GmbH are manufactured according to the very latest production methods and are subjected to quality assurance according to ISO 9001 and EN 9100 (aerospace industry standard) during production and as a final product.



Rotary Indexing Table Goes Digital

- for digital control during manufacturing process -

Functions:

- Measuring and reporting of temperature and humidity inside the axis.
- Readable using an app via Bluetooth on tablet or smartphone.
- Data is transmitted, can be read out, evaluated and corresponding statistics on minimum-maximum-average-standard deviations can be generated
- Values can also be read directly from LED display on the rotary table without any technical devices
- Configuration of limit values for monitoring with visual and acoustic alarm function

Advantages:

- Increase of humidity can be detected at an early stage.
- Damages to the axis can be prevented.
- Necessary actions such as maintenance or repair can be initiated at an early stage.

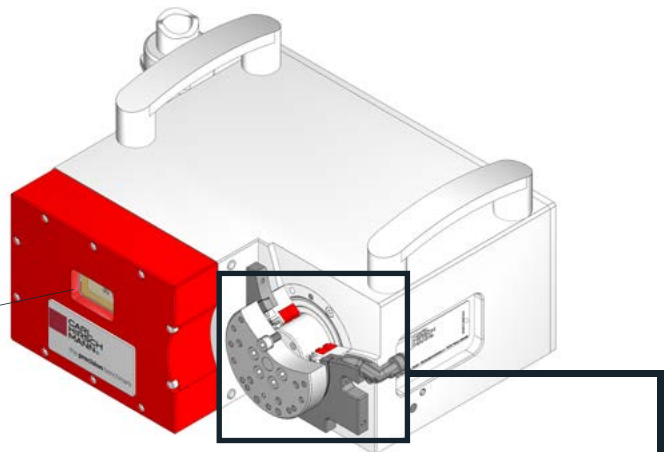
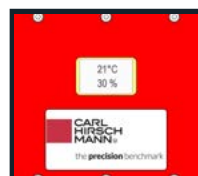
Reduction of costs due to:

- protection of the high-quality parts
- avoidance of unplanned machine shutdowns
- reduction of repair costs



Digital control

Is done by measuring and transmitting the temperature and humidity inside the axis. This reduces costs and repairs by avoiding machine downtime and protecting the high quality components.

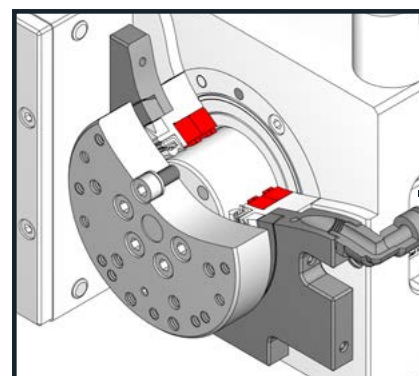


Maintenance-free EDM power transmission

With the patented maintenance-free Carl Hirschmann technology for transmission of EDM power through microfiber rings, we are once again one step ahead!

Advantages

- Improved process stability
- dirt-free, since integrated
- Maintenance-free
- Low friction

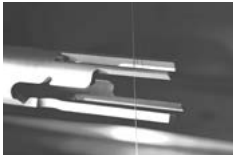


Sample Applications



Sinking EDM

- Undercuts
- Tooth systems
- Perforations



Wire EDM

- Curved shapes
- Spirals
- Complex shapes



Erosive turning

- Ejector pins
- Fine needles
- Complex shapes



EDM drilling

- Parts with multiple hole pattern
- Single, precise holes
- Start-hole drilling



Laser machining

- Channels in fuel injectors
- Turbine blades
- Surgical instruments

Specifications

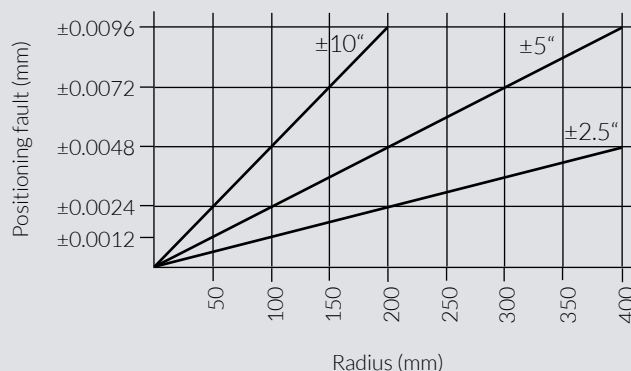
- Single-axis rotary indexing tables
- Multi-axis rotary indexing tables
- Rotary indexing tables with hollow axes
- Rotating and indexing spindles
- Customized special solutions
- If requested, all rotary indexing tables can be equipped with a precise clamping system.

Common characteristics

- Completely sealed (IP68) for use in dielectric fluid
- Maintenance-free, patented EDM power transmission for wire EDM
- Maintenance-free AC drive
- Applicable on any EDM, laser or HSC machine
- Highly precise direct measuring systems

Control system of Rotary Indexing Table

Preferably a rotary indexing table is controlled by the machine control system. If this is not possible, we recommend our control system Carl Hirschmann H1625 or H1680.



Position and indexing accuracy

Positioning or indexing accuracy is primarily depending on the accuracy of the measuring system (encoder) and on the precision of mechanical construction and the control system. The influence of system accuracy of the encoder can be seen in the table (on the left).

Example: at an encoder system accuracy of $\pm 5''$ and a radius of 100 mm, positioning fault (direct) is max. $\pm 0,0024$ mm. It is recommended to use a measuring system with higher accuracy for larger rotary indexing tables or workpiece diameters.

Single-axis Rotary Indexing Tables

At Carl Hirschmann all parts are homemade with high technical know-how and are assembled professionally to complete units consisting of rotary indexing tables and palletizing and clamping systems. With single-axis rotary tables, a vertical and horizontal machining with best positioning accuracy, concentricity and axial run-out accuracy is possible. If requested, single-axis rotary indexing tables can be delivered also with SK or HSK tapers.



Two-axis Rotary Indexing Tables

Our two-axis rotary indexing tables stand for the highest precision, accuracy and continuity. The rotary tables allow machining processes in vertical and horizontal axes. For quick-change of workpieces, the two-axis rotary indexing tables can be equipped with a precise manually or pneumatically operated clamping system.

Multiple-axis Rotary Indexing Tables

Our multi-axis rotary indexing tables enable machining in three or up to five axes with optimal positioning accuracy, concentricity and axial run-out accuracy for workpieces. These rotating tables can be made for machining of materials in different sizes and weights. Multi-axis tables are customized: only by Carl Hirschmann enabling one-stop shopping for the customer get starting with conception followed by initial sampling, and finalizing for serial production.



Rotating and Indexing Spindles

Manufacturing of smallest rotationally symmetric structures and shapes out of stainless steel, hard and non-ferrous metals up to conductive ceramics, spark EDM machines equipped with rotating spindles are an alternative to hard turning.

Hollow Axes

With our precise single-axis and two-axis rotary indexing tables with hollow through-hole axes, the workpiece can be machined up to its center. Wire EDM is possible also for small workpieces.



Customized solutions

Due to our high manufacturing depth of knowledge we guarantee our customers that all components are made and assembled by Carl Hirschmann. We are pleased to meet individual customer requirements. Please contact us directly to find the perfect product for your demand.

Carl Hirschmann - System provider with more than 40 years of experience

For more than 40 years Carl Hirschmann develops and produces rotary indexing tables with coordinated reference and clamping systems. Cost and time pressure in part machining on EDM are always new challenges for industry and commerce. A key to success lies in set-up times - who trusts in efficiency here can raise productivity. Innovate rotary indexing tables with coordinated reference and clamping systems optimize machine running times and improve economics. As leader in technology Carl Hirschmann offers liquid-tight rotary indexing tables (IP68), A-axes, rotating and indexing spindles with complete clamping systems for EDM technology included. Due to high vertical range of manufacturing the customers approach only to one contact person and receive the guarantee that all components are not only assembled but made by Carl Hirschmann. Even for products which are in use for decades the company still offers suitable parts.



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Special Solutions

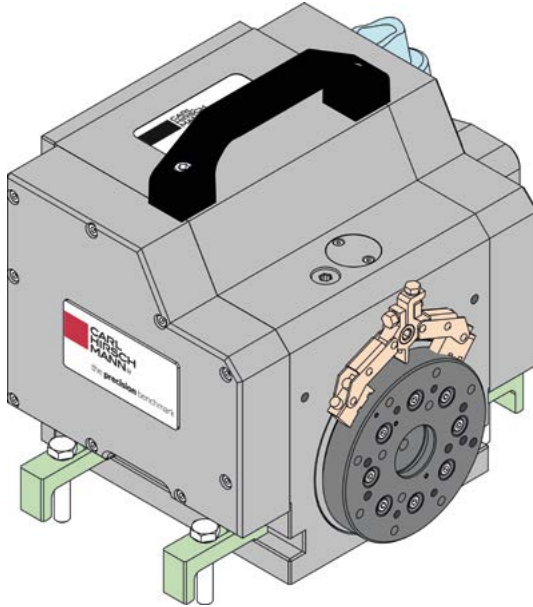
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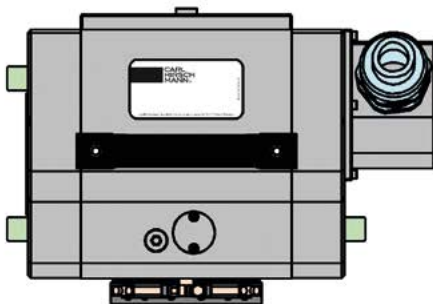
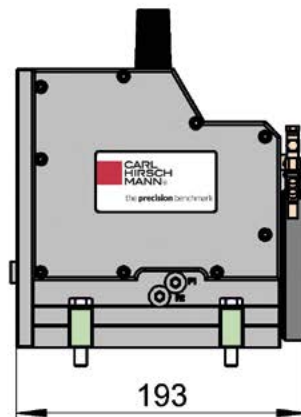
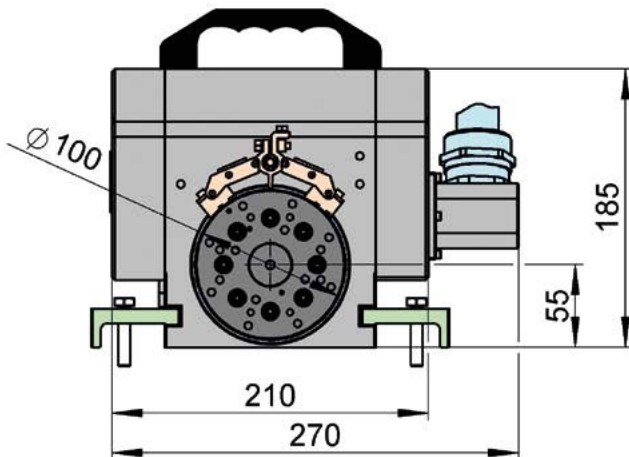
FJR1680	45
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Standard Products

Rotary Indexing Table FJR-100

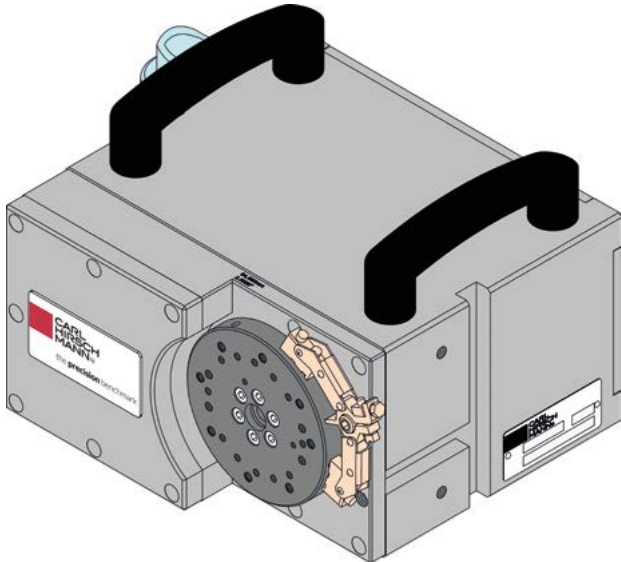


Motor	Yaskawa SGMJV-02AAA61
Measuring system	Heidenhain RCN2311 EnDat2.2
Interface	Face plate Ø100mm
Description	FJR-100RYAP-02
Control	FJR1625.AC5.1

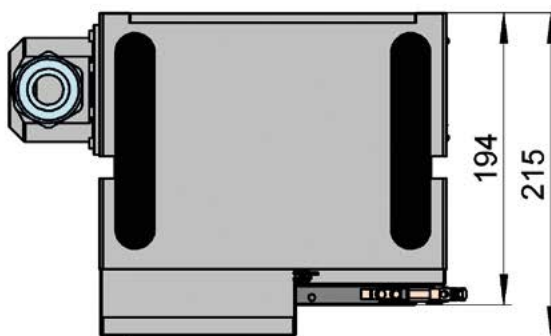
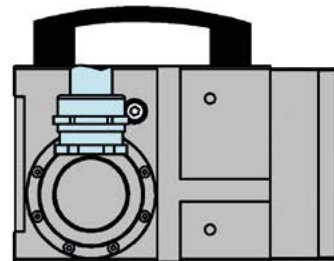
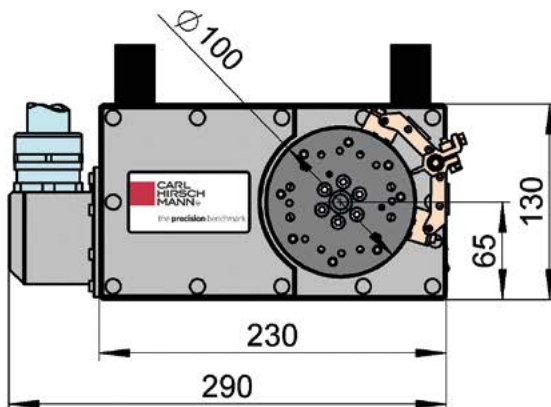


- Suitable for: SE; WE; ED
- Center height: 55mm
- Weight: approx. 23kg
- Weight of workpiece max. 15kg



Rotary Indexing Table FJR100NC



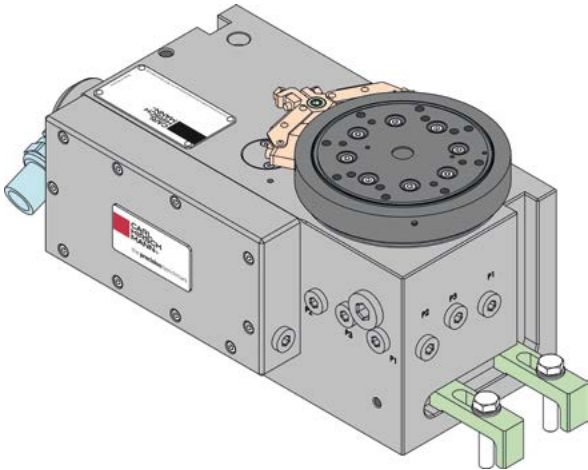
Motor	Yaskawa SGMJV-01AAA61
Measuring system	Heidenhain RCN2311 EnDat2.2
Interface	Face plate Ø100mm
Description	FJR100NCYA000
Control	FJR1625.AC5.1



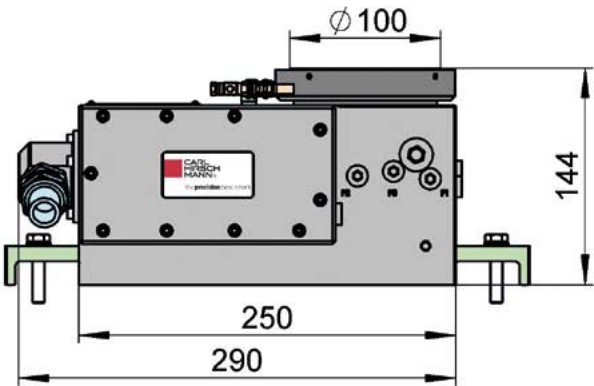
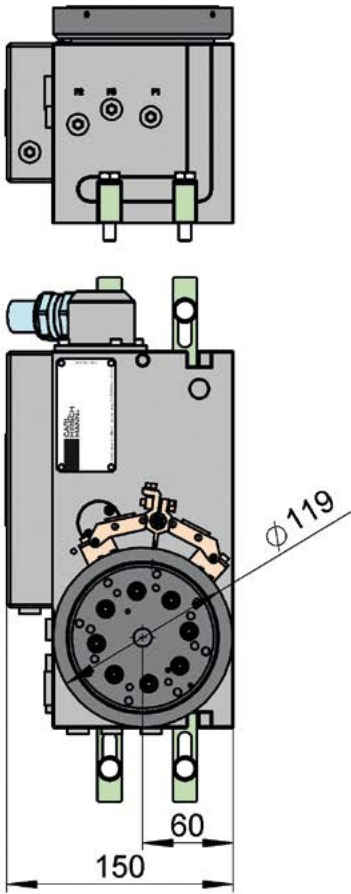
- Suitable for: SE; WE; ED
- Center height: 65mm
- Weight: approx. 30kg

Weight of workpiece	
	
max. 15kg	max. 25kg

Rotary Indexing Table FJR-120



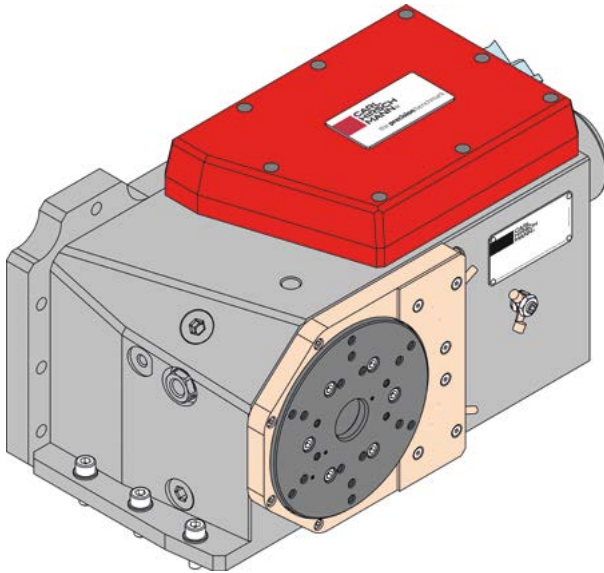
Motor	Yaskawa SGMJV-02AAA61
Measuring system	Heidenhain RCN2311 EnDat2.2
Interface	Face plate Ø100mm
Description	FJR-120RYAP-01
Control	FJR1625.AC5.1



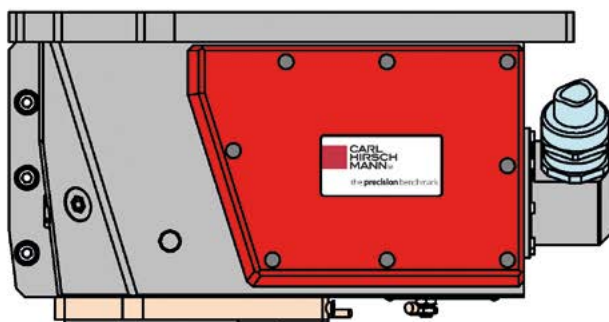
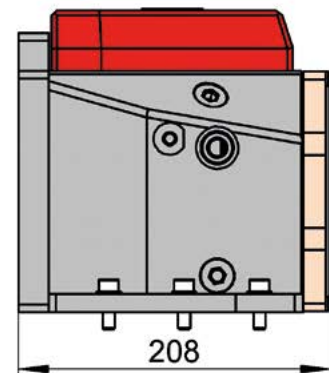
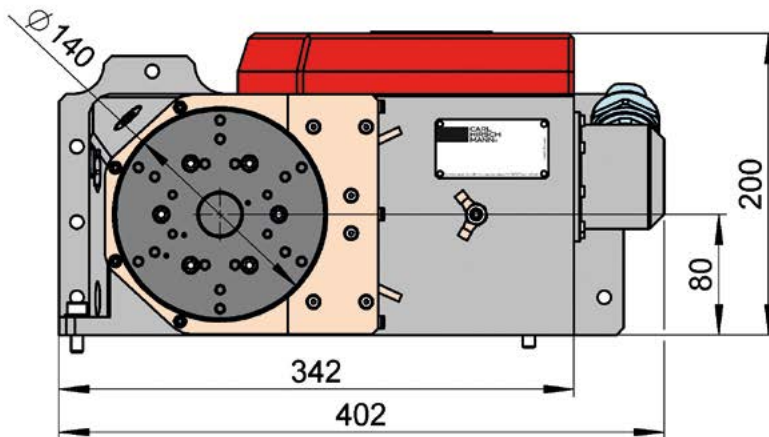
- Suitable for: SE; WE; ED
- Center height: 60mm
- Weight: approx. 22kg

Weight of workpiece	
max. 30kg	max. 40kg

Rotary Indexing Table FJR-126



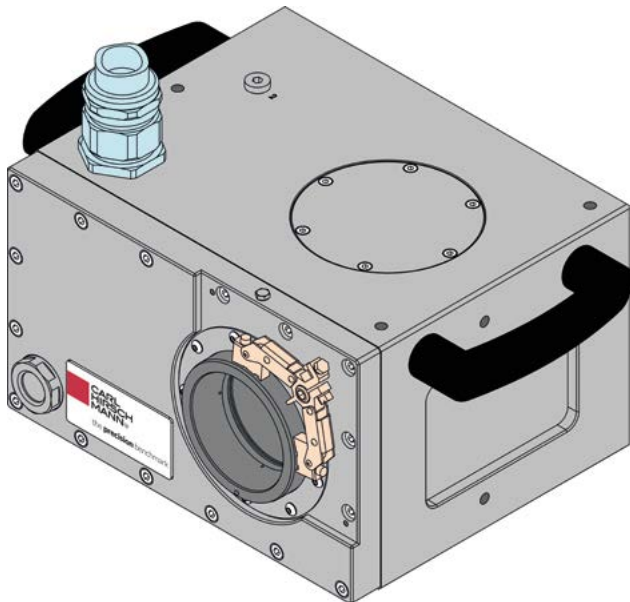
Motor	Yaskawa SGMJV-04AAA61
Measuring system	Heidenhain RCN2311 EnDat2.2
Interface	Face plate Ø140mm
Description	FJR-126RYAP-02
Control	FJR1625.AC5



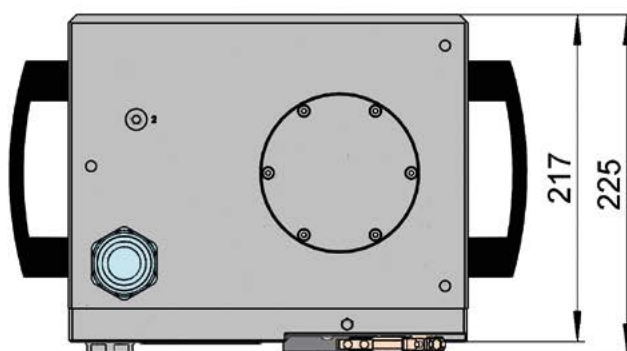
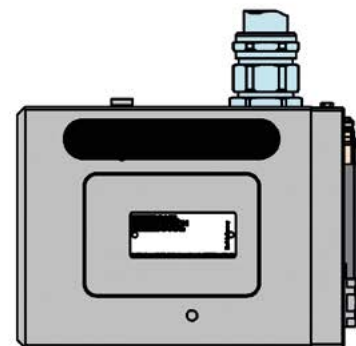
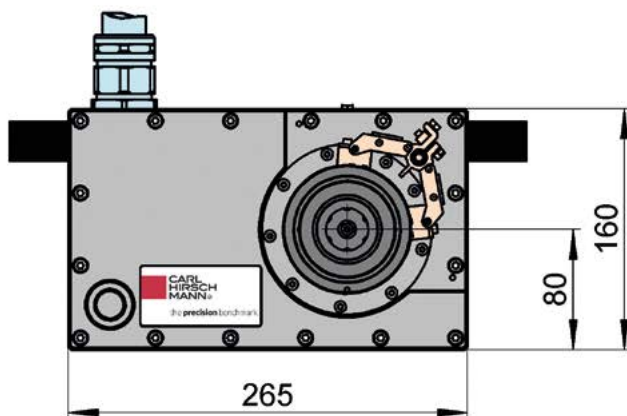
- Suitable for: SE; WE; ED
- Center height: 80mm
- Weight: approx. 60kg

Weight of workpiece	
max. 80kg	max. 120kg

Rotary Indexing Table FJR150NC SK50



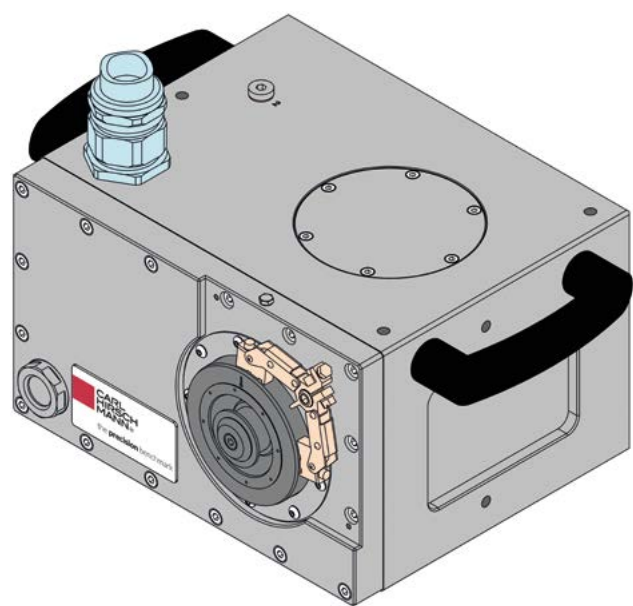
Motor	Yaskawa SGMJV-XXX
Measuring system	Heidenhain RCN2311 EnDat2.2
Interface	Hirschmann SK50 (pneumatic)
Description	FJR150NCXXX
Control	FJR1625.AC5.1



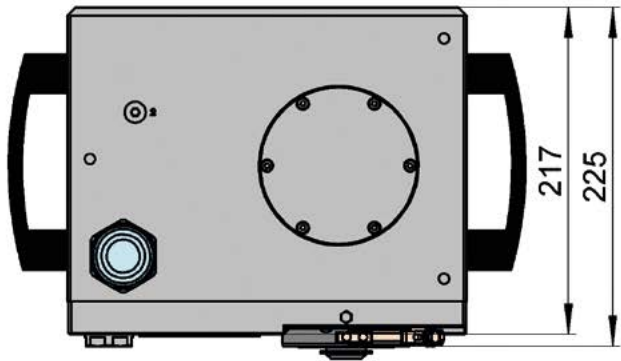
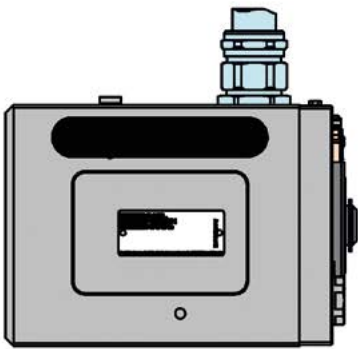
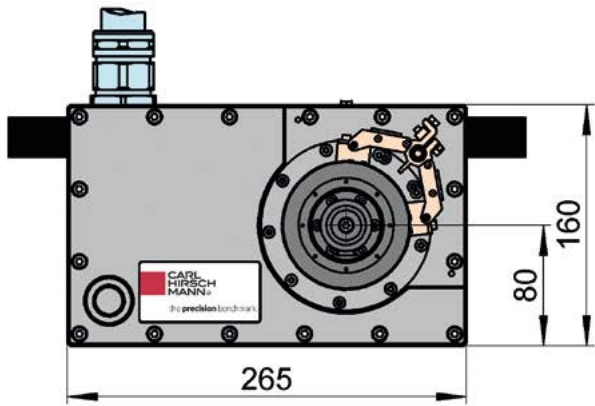
- Suitable for: SE; WE; ED
- Center height: 80mm
- Weight: approx. 45kg

Weight of workpiece	
max. 30kg	max. 50kg

Rotary Indexing Table FJR150NC HSK63



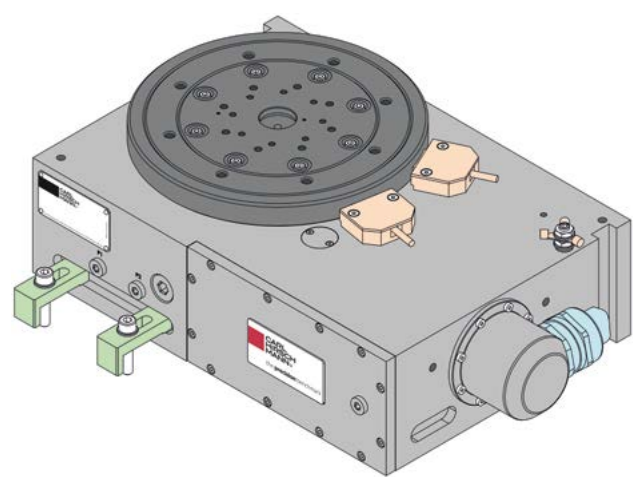
Motor	Yaskawa SGMJV-XXX
Measuring system	Heidenhain RCN2311 EnDat2.2
Interface	Hirschmann HSK-A63 (pneumatic)
Description	FJR150NCXXX
Control	FJR1625.AC5.1



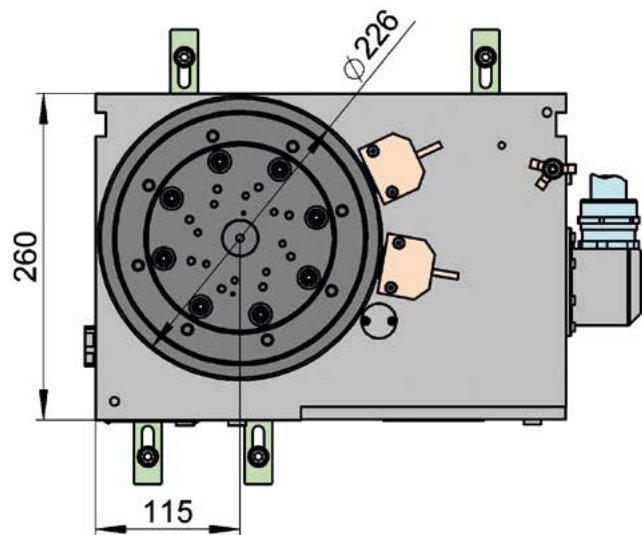
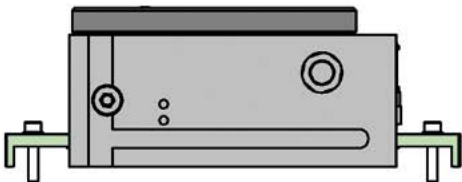
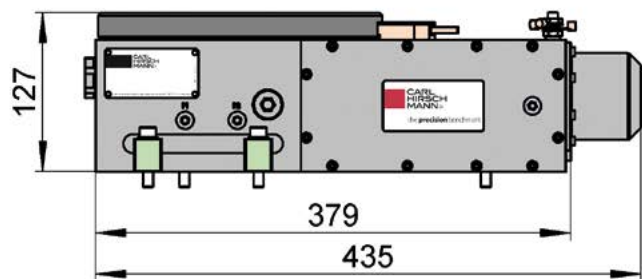
- Suitable for: SE; WE; ED
- Center height: 80mm
- Weight: approx. 45kg

Weight of workpiece	
max. 30kg	max. 50kg

Rotary Indexing Table FJR-226



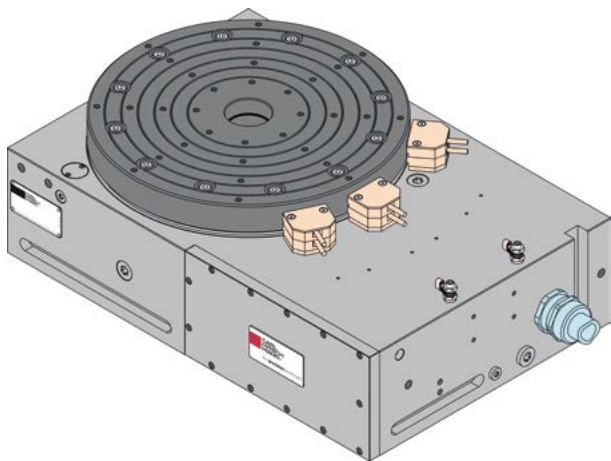
Motor	Yaskawa SGMJV-04AAA61
Measuring system	Heidenhain RCN2311 EnDat2.2
Interface	Face plate Ø226mm
Description	FJR-226RYAP-03
Control	FJR1625.AC5



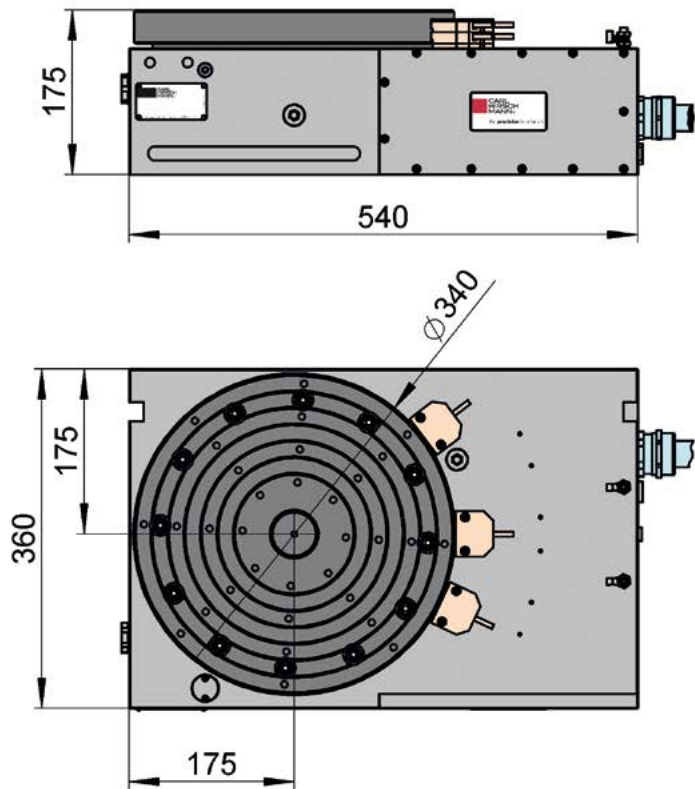
- Suitable for: SE; WE; ED
- Center height: 115mm
- Weight: approx. 65kg

Weight of workpiece	
max. 100kg	max. 300kg

Rotary Indexing Table FJR-340



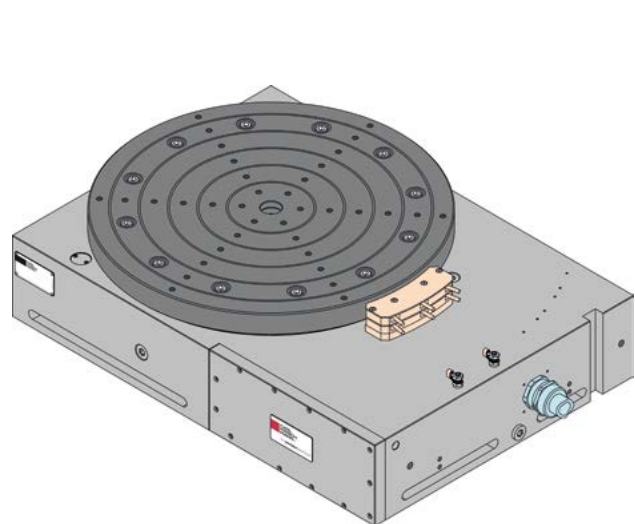
Motor	Yaskawa SGMJV-08AAA61
Measuring system	Heidenhain RCN2311 EnDat2.2
Interface	Face plate Ø340mm
Description	FJR-340SYAP-XX (Not suitable for WE since housing is not stain- less steel)
Control	FJR1625.AC5

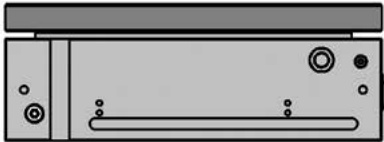
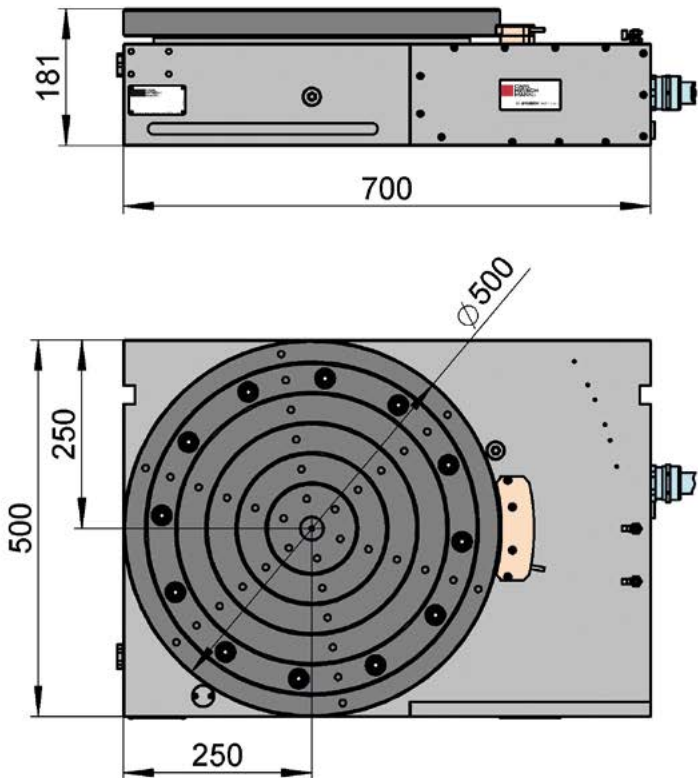


- Suitable for: SE; WE; ED
- Center height: 175mm
- Weight: approx. 160kg

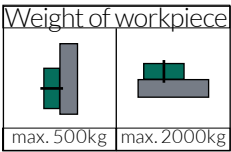
Weight of workpiece	
max. 300kg	max. 1000kg

Rotary Indexing Table FJR-500

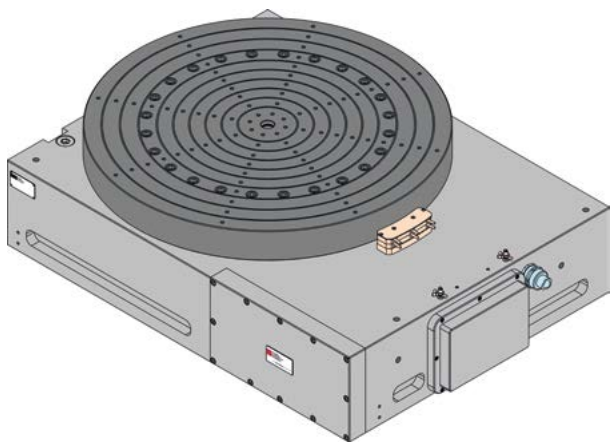
	<div> Motor </div> <div> Yaskawa SGMJV-08AAA61 </div>
	<div> Measuring system </div> <div> Heidenhain RCN2311 EnDat2.2 </div>
	<div> Interface </div> <div> Face plate Ø500mm </div>
	<div> Description </div> <div> FJR-500SYAP-XX (Not suitable for WE since housing is not stain- less steel) FJR-500RYAP-XX </div>
	<div> Control </div> <div> FJR1625.AC5 </div>



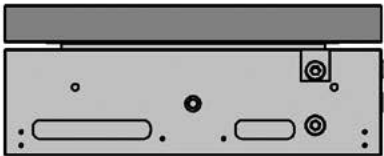
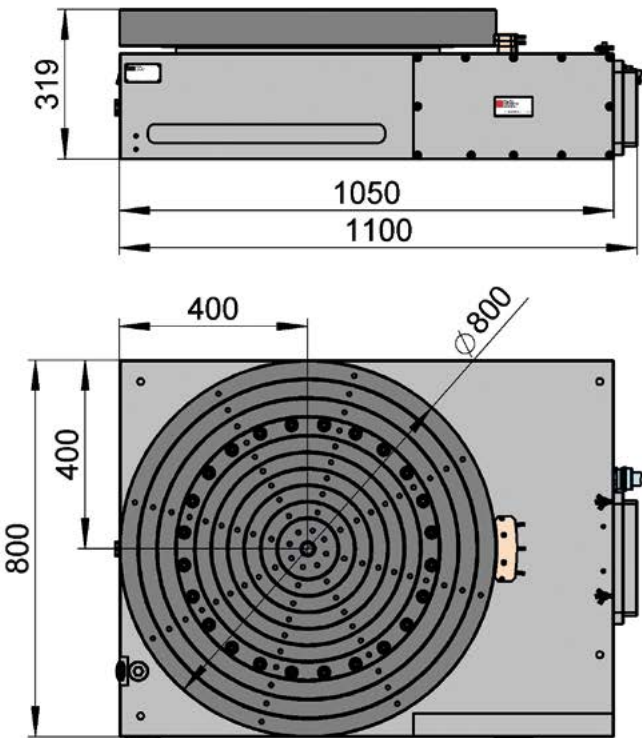
- Suitable for: SE; ED
- Center height: 250mm
- Weight: approx. 350kg



Rotary Indexing Table FJR-800

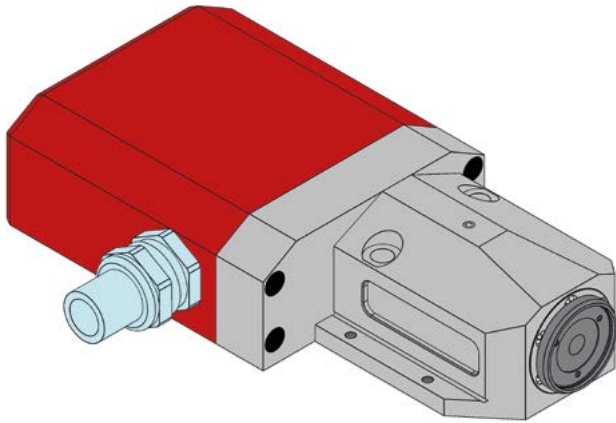


Motor	Yaskawa SGMGV-20ADA21
Measuring system	Heidenhain RCN2311 EnDat2.2
Interface	Face plate Ø800mm
Description	FJR-800SYAP-XX (Not suitable for WE since housing is not stain- less steel) FJR-800RYAP-XX
Control	FJR1625.XXX

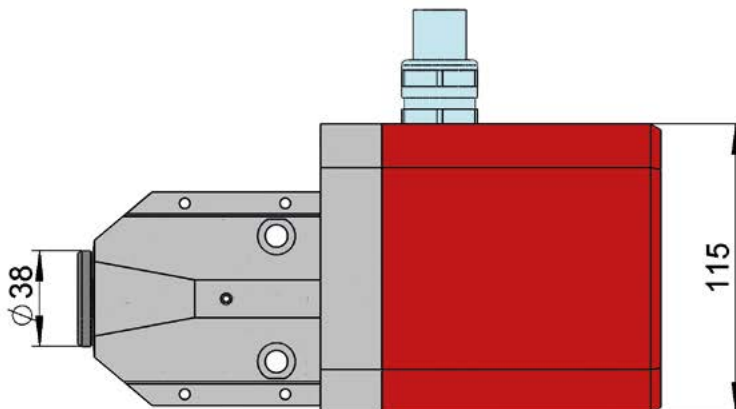
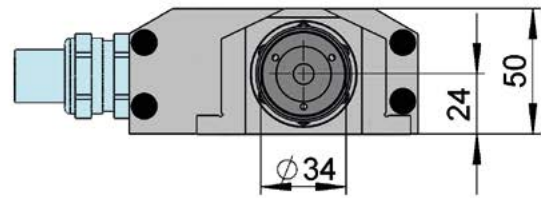
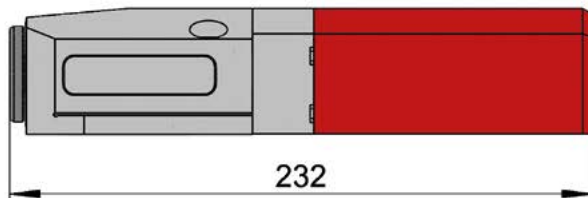


- Suitable for: SE; ED
- Weight: approx. 1400kg
- Weight of workpiece: max. 7000kg

Mini Rotating Spindle FJR42MRS

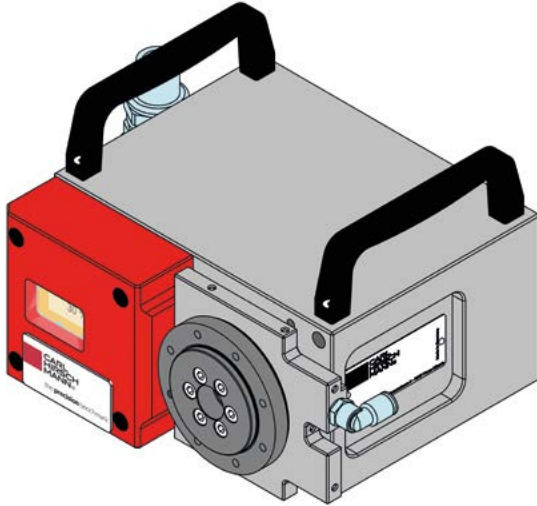


Motor	Yaskawa SGMJV-01AAA61
Measuring system	Indirect measuring
Interface	Hirschmann Adjustable clamping element H42.JMRS (manuel)
Description	FJR42MRS004
Control	FJR1625.AC5.3 Rotating and inde- xing Hxxxx Only rotation

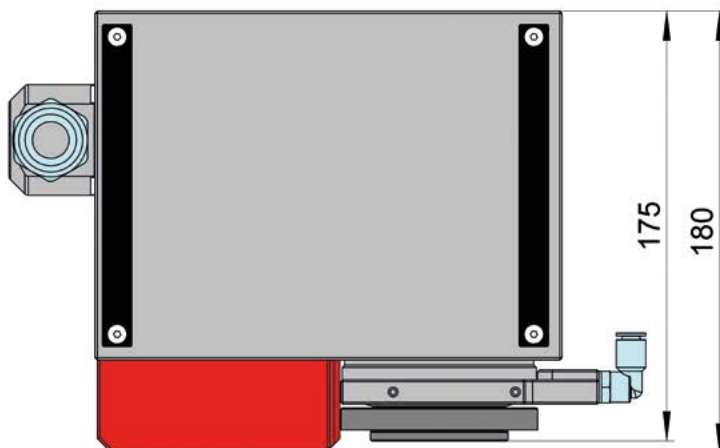
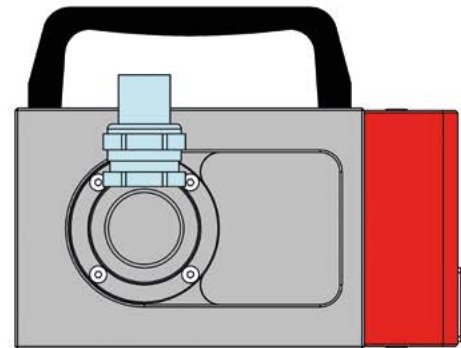
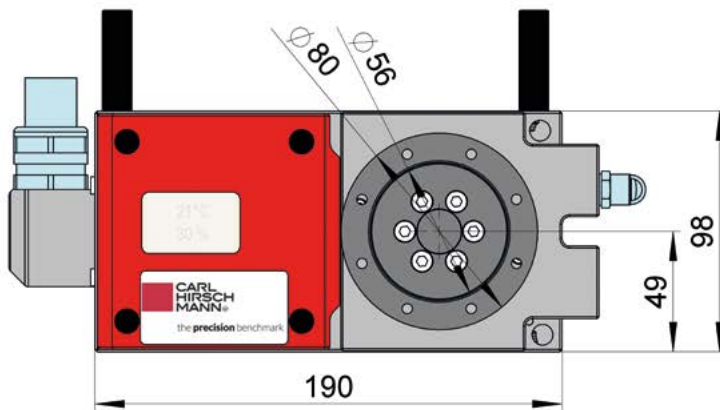


- Suitable for: WE
- Center height: 24mm
- Weight: approx. 4,3kg
- Max. speed: 3000 min⁻¹
- Max. size of workpiece Ø 15x80mm

Rotating Spindle FJR80AC

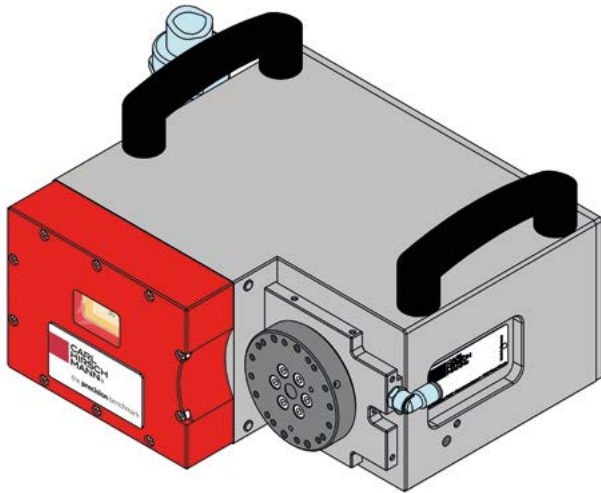


Motor	Sanyo Denki R2ADA06040FX
Measuring system	Indirect measuring
Interface	Face plate Ø80mm with centering lap Ø56mm
Description	FJR80AC200
Control	FJR1680.AC5.5

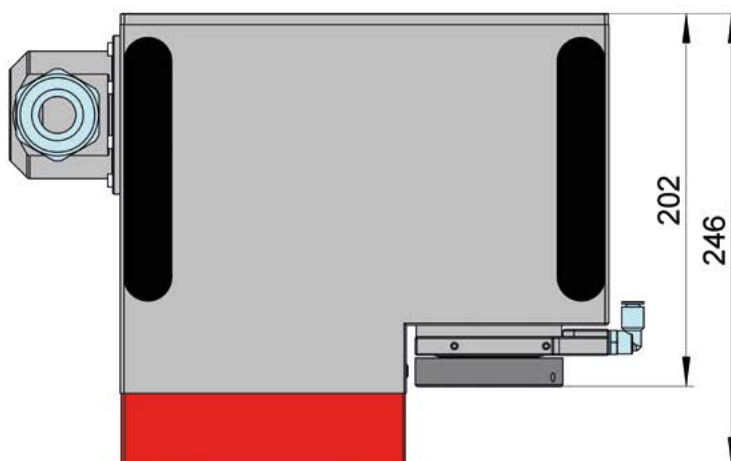
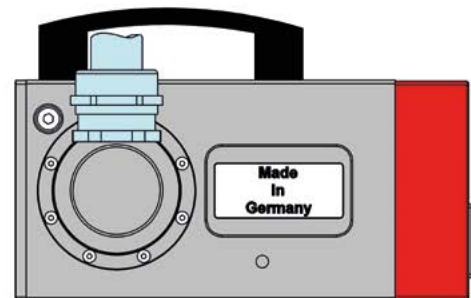
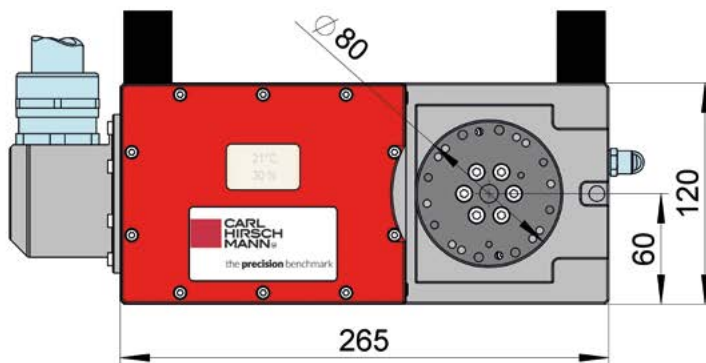


- Suitable for: SE; WE; ED
- Center height: 49mm
- Weight: approx. 21kg
- Max. speed: 1500 min⁻¹
- Weight of workpiece max. 10kg

Rotary Indexing Spindle FJR80NC

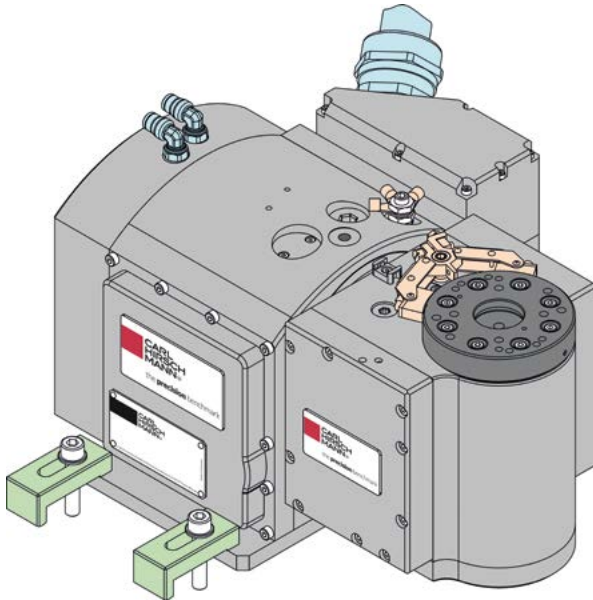


Motor	Yaskawa SGMJV-08AAA61
Measuring system	Heidenhain RCN2311 EnDat2.2
Interface	Face plate Ø80mm (pneumatic prepared)
Description	FJR80NCYA300
Control	FJR1625.AC5

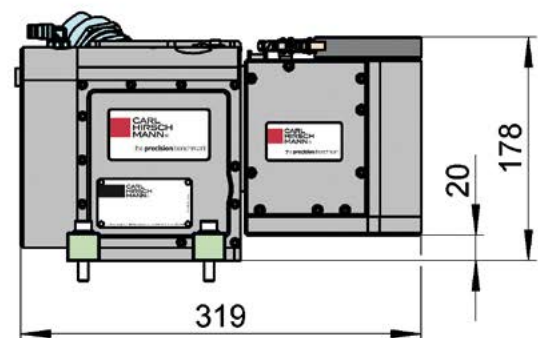
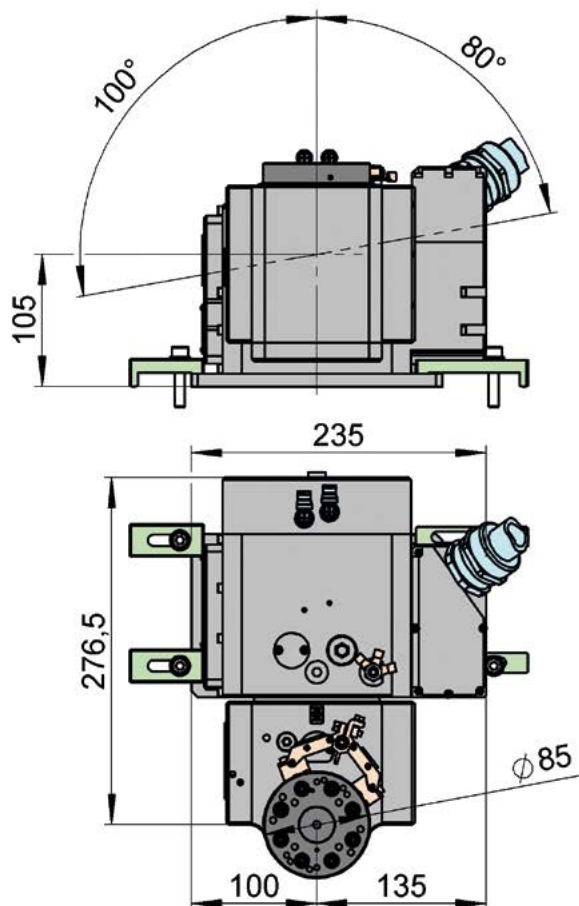


- Suitable for: SE; WE; ED
- Center height: 60mm
- Weight: approx. 33kg
- Max. speed: 1000min⁻¹
- Weight of workpiece max. 10kg

Rotary Indexing Table FJRT085

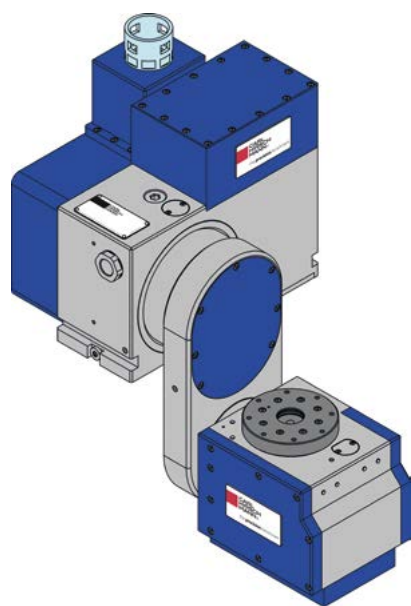


Motor	T- and R-axis: Yaskawa SGMJV-04AAA61
Measuring system	T-axis: Heidenhain RCN2311 EnDat2.2 R-axis: Heidenhain TKN ERP 1000 / AK ERP1010 EnDat2.2
Interface	Face plate Ø85mm
Description	FJRT085RYAP-03
Control	FJR1625.2AC5.33

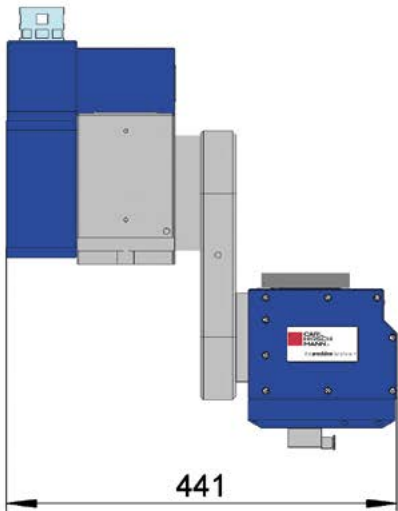
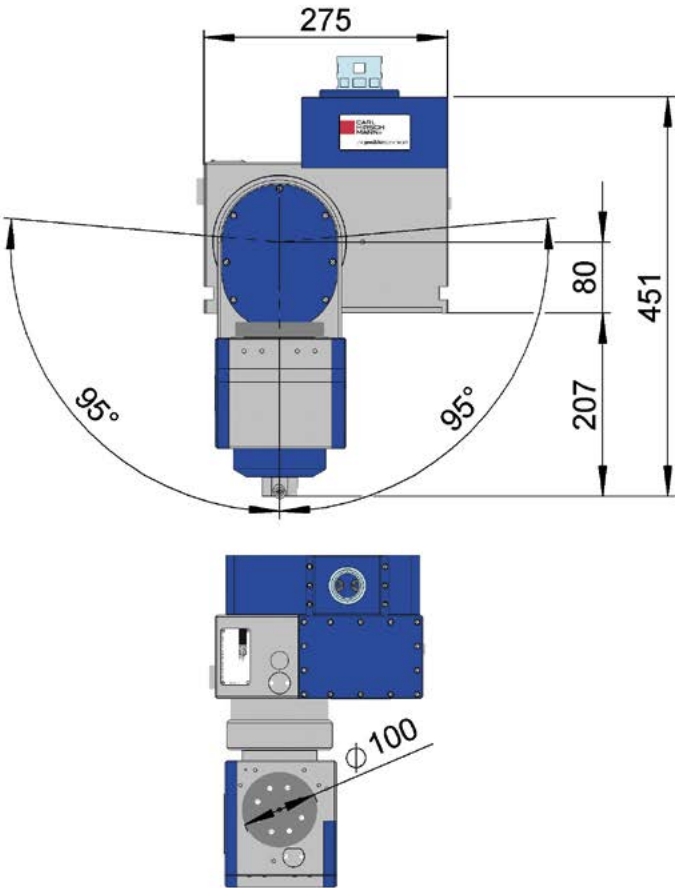


- Suitable for: SE; WE; ED
- Center height: 105mm
- Weight: approx. 30kg
- Weight of workpiece R-axis
tilted (90°): max.15kg
vertical: max. 15kg

Rotary Indexing Table FJRT100

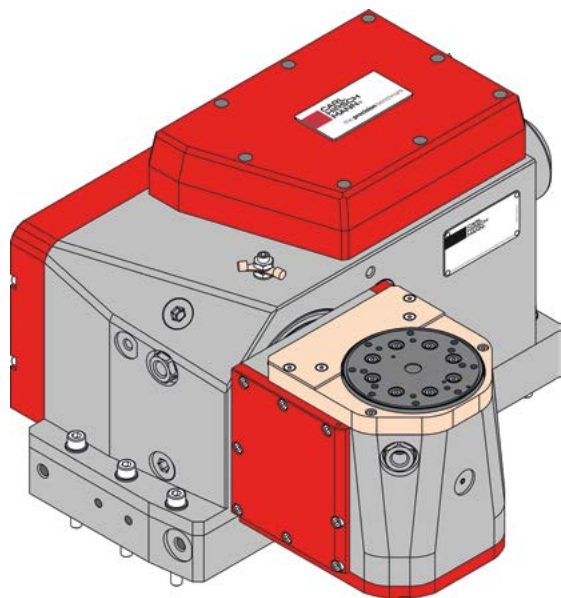


Motor	T- and R-axis: Yaskawa SGMJV-04AAA61
Measuring system	T- and R-axis: Heidenhain RCN2311 EnDat2.2
Interface	Face plate Ø100mm
Description	FJRT100RYAP-XX
Control	FJR1625.2AC5.22

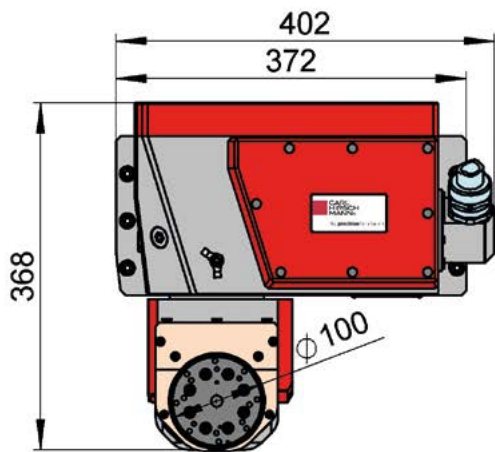
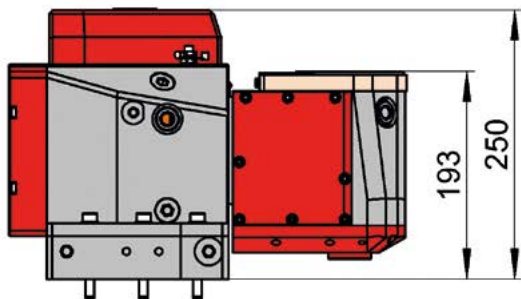
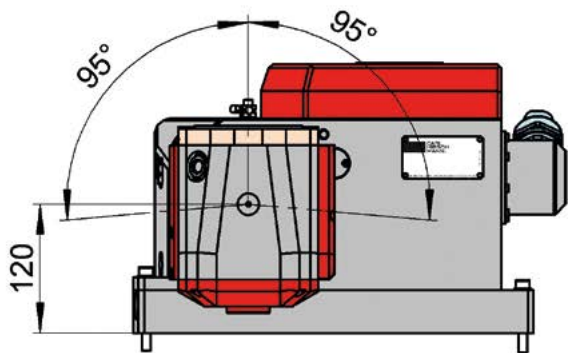


- Weight of workpiece R-axis
- tilted (90°): max. 20kg
- vertical: max. 20kg
- Suitable for: SE; ED
- Center height: 80mm
- Weight: approx. 60kg

Rotary Indexing Table FJRT126

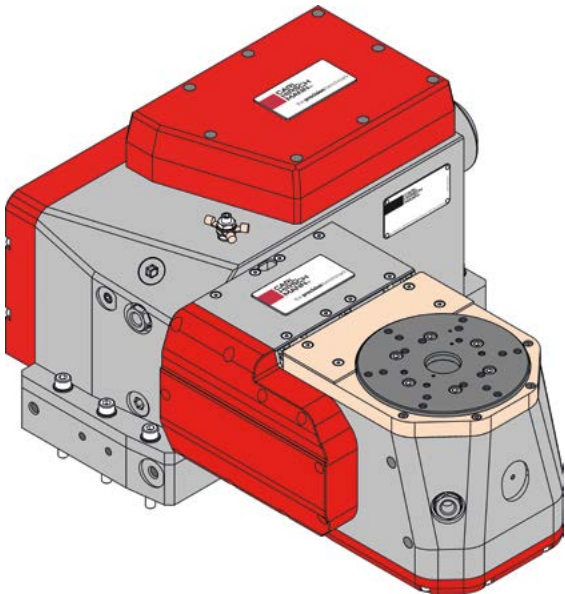


Motor	T- axis: Yaskawa SGMJV-XXX
	R-axis: Yaskawa SGMJV-XXX
Measuring system	T- and R-axis: Heidenhain RCN2311 EnDat2.2
Interface	Face plate Ø100mm
Description	FJRT126RYAP-XX
Control	FJR1625.2XXX

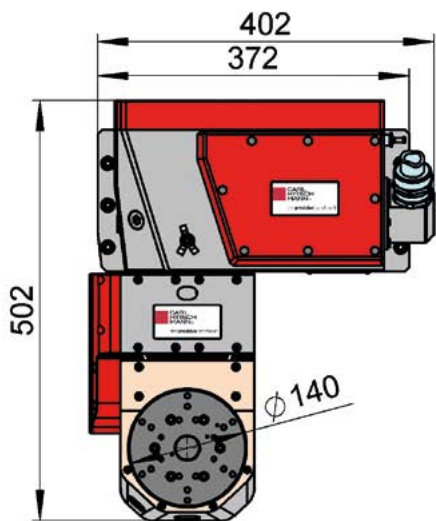
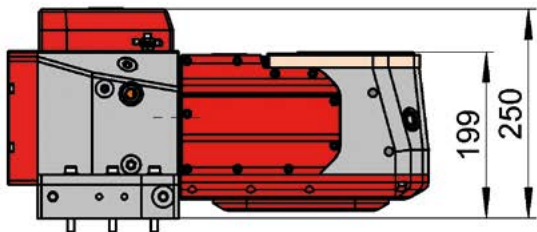
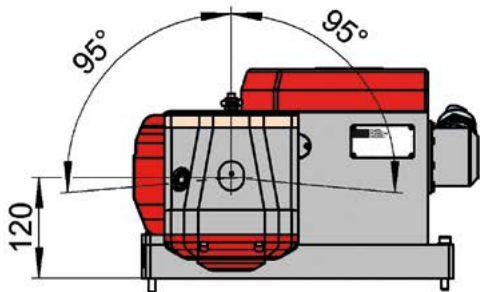


- Weight of workpiece R-axis
- tilted (90°): max. 20kg
- vertical: max. 20kg
- Suitable for: SE; WE; ED
- Center height: 120mm
- Weight: approx. 80kg

Rotary Indexing Table FJRT126L

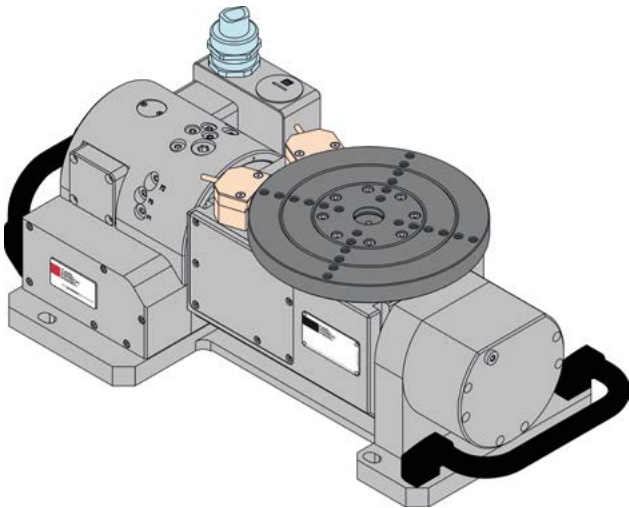


Motor	T- and R-axis: Yaskawa SGMJV-04AAA61
Measuring system	T- and R-axis: Heidenhain RCN2311 EnDat2.2
Interface	Face plate Ø140mm
Description	FJRT126RYAP-03L
Control	FJR1625.2AC5.22

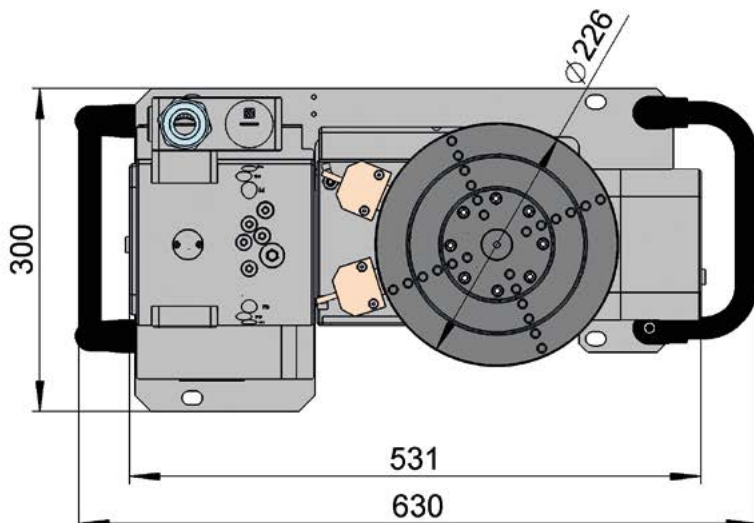
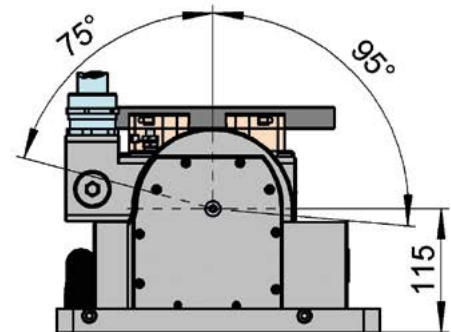
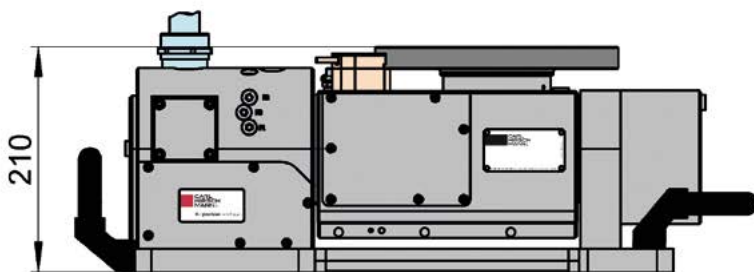


- Weight of workpiece R-axis
- tilted (90°): max. 50kg
- vertical: max. 50kg
- Suitable for: SE; WE; ED
- Center height: 120mm
- Weight: approx. 100kg

Rotary Indexing Table FJRT140

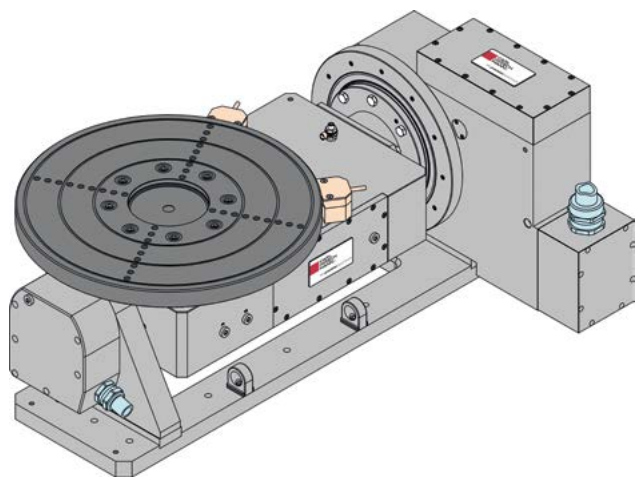


Motor	T- and R-axis: Yaskawa SGMJV-XXX
Measuring system	T- and R-axis: Heidenhain RCN2311 EnDat2.2
Interface	Face plate Ø226mm
Description	FJRT140RYAP-XX
Control	FJR1625.2AC5.XX

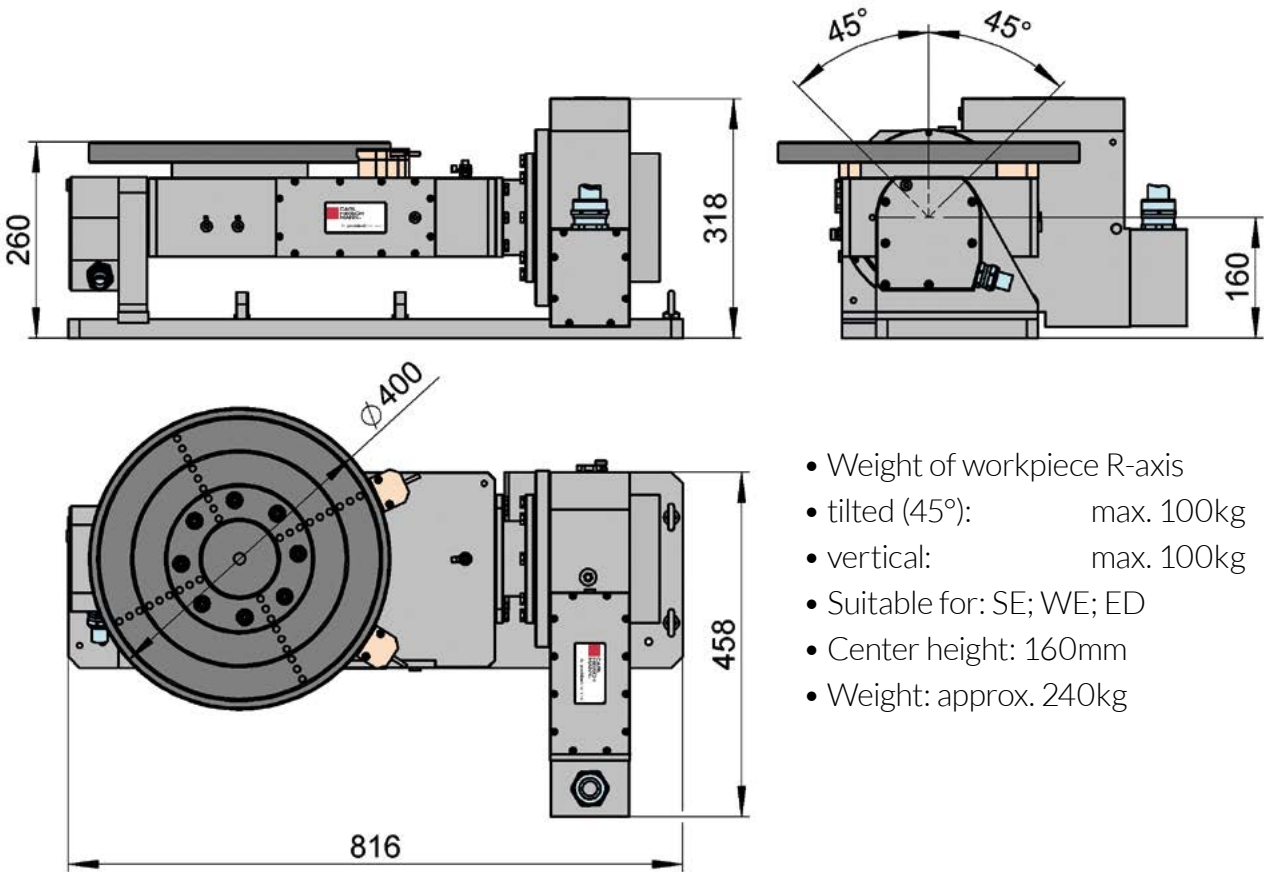


- Weight of workpiece R-axis
- tilted (90°): max. 40kg
- vertical: max. 40kg
- Suitable for: SE; WE; ED
- Center height: 115mm
- Weight: approx. 85kg

Rotary Indexing Table FJRT226

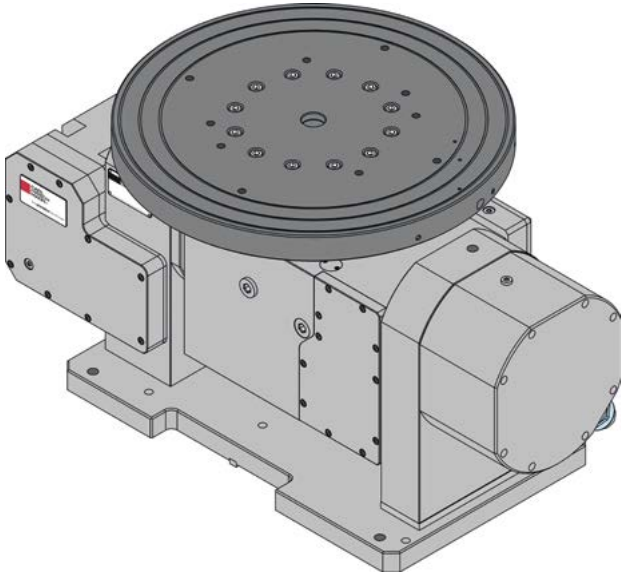


Motor	T- and R-axis: Yaskawa SGMJV-XXX
Measuring system	T- and R-axis: Heidenhain RCN2311 EnDat2.2
Interface	Face plate Ø400mm
Description	FJRT226RYAP-XX
Control	FJR1625.2AC5.XX

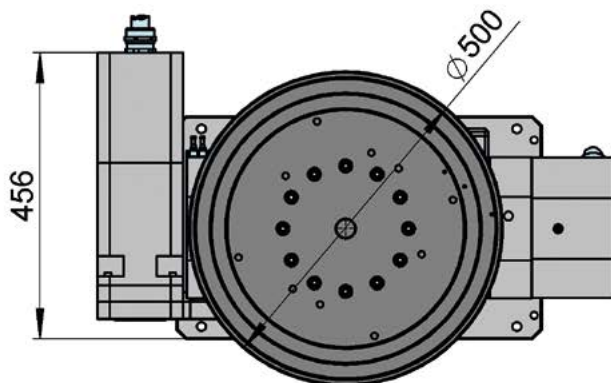
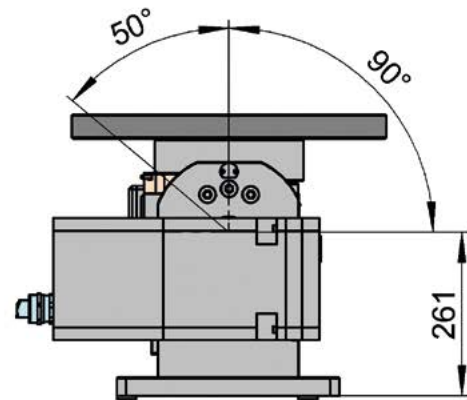
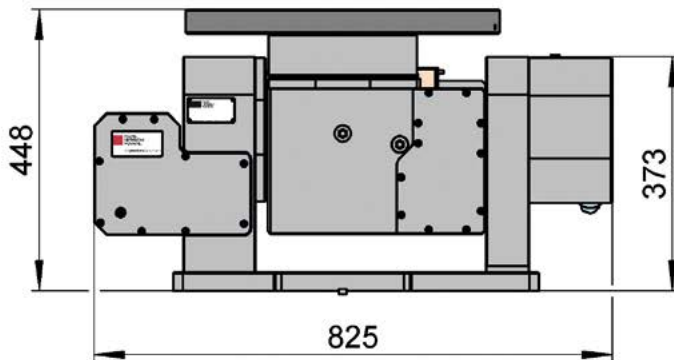


- Weight of workpiece R-axis
- tilted (45°): max. 100kg
- vertical: max. 100kg
- Suitable for: SE; WE; ED
- Center height: 160mm
- Weight: approx. 240kg

Rotary Indexing Table FJRT500

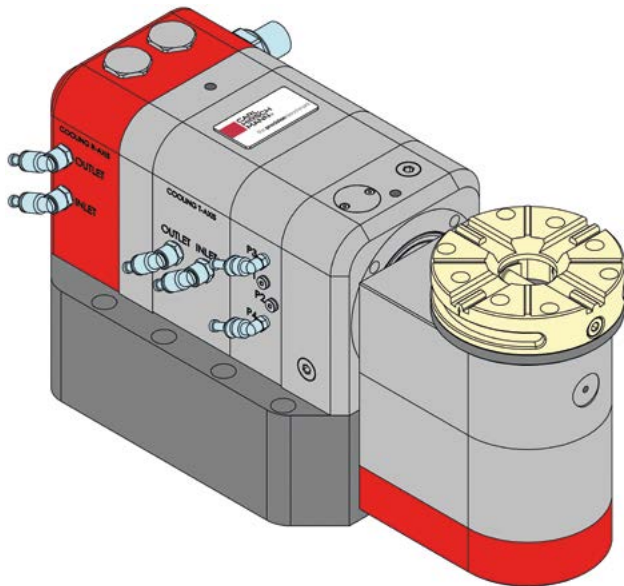


Motor	T- and R-axis: Yaskawa SGMJV-08AAA61
Measuring system	T- and R-axis: Heidenhain RCN2311 EnDat2.2
Interface	Face plate Ø500mm
Description	FJRT500RYAP-XX
Control	FJR1625.2AC5.22

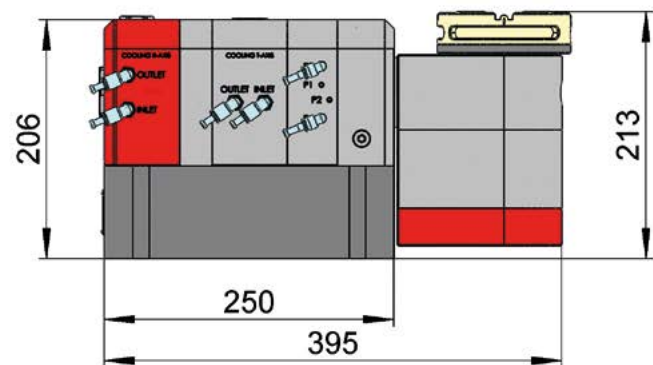
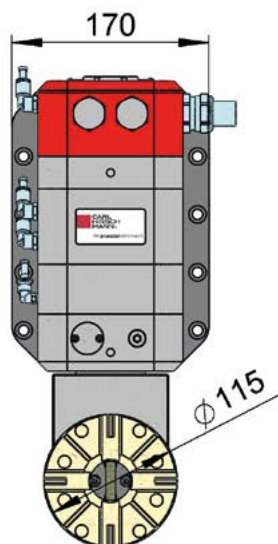
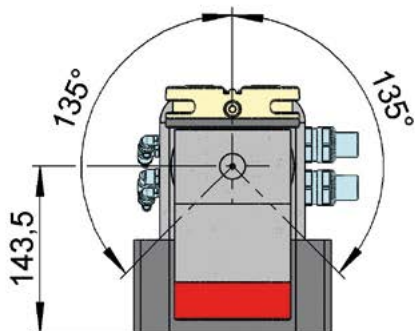


- Weight of workpiece R-axis
- tilted (90°): max. 250kg
- vertical: max. 250kg
- Suitable for: SE; WE; ED
- Center height: 261mm
- Weight: approx. 390kg

Rotary Indexing Table FJRTD100

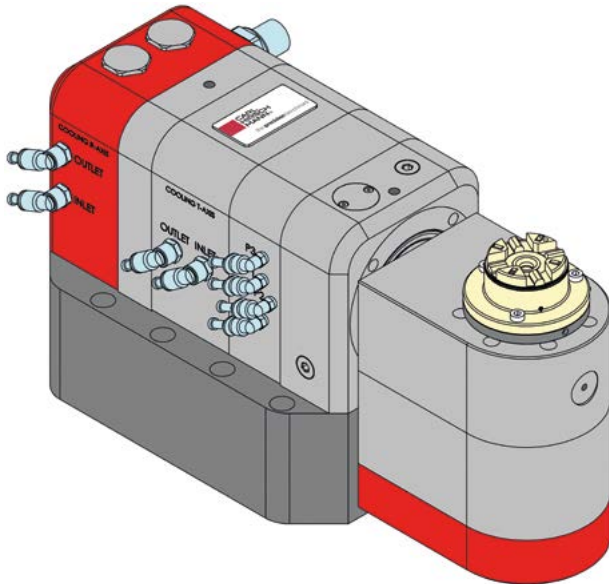


Motor	T-axis: Tecnotion QTR-A-105-60 R-axis: Tecnotion QTR-A-78-60
Measuring system	T- and R-axis: Heidenhain TKN ERP 1000 / AK ERP1080 1Vss
Interface	Carl Hirschmann μ-PrisFix-Flat- Clamper H1.6000 (manual)
Description	FJRTD100RTNH101
Control	FJR16XX.XX

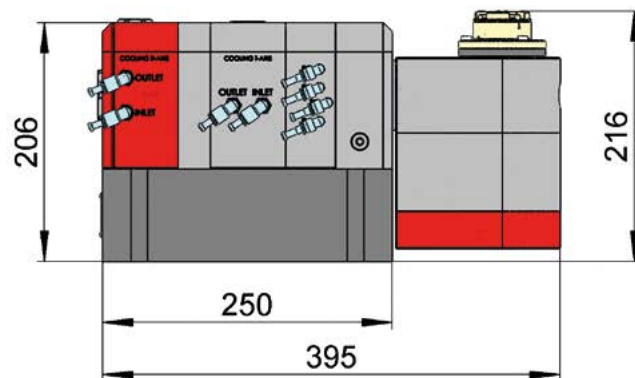
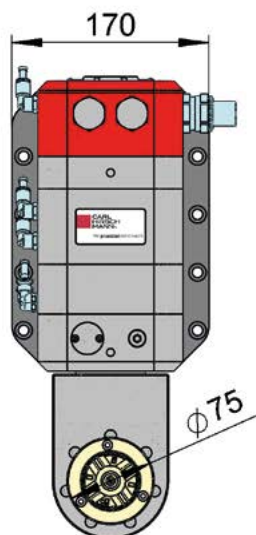
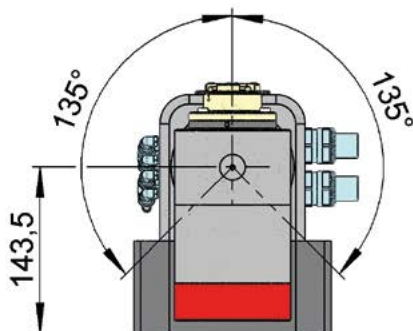


- Weight of workpiece R-axis
- tilted (90°): max. 2kg
- vertical: max. 2kg
- Suitable for: SE; WE; ED
- Center height: 143,5mm
- Weight: approx. 50kg

Rotary Indexing Table FJRTD100

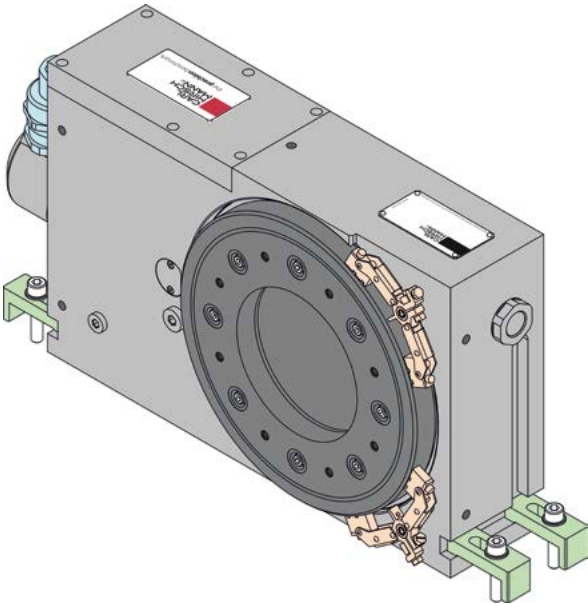


Motor	T-axis: Tecnotion QTR-A-105-60 R-axis: Tecnotion QTR-A-78-60
Measuring system	T- and R-axis: Heidenhain TKN ERP 1000 / AK ERP1080 1Vss
Interface	Carl Hirschmann μ-PrisFix-Nano- Clamper H1.1000BL-UN (pneumatic)
Description	FJRTD100RTNH201
Control	FJR16XX.XX

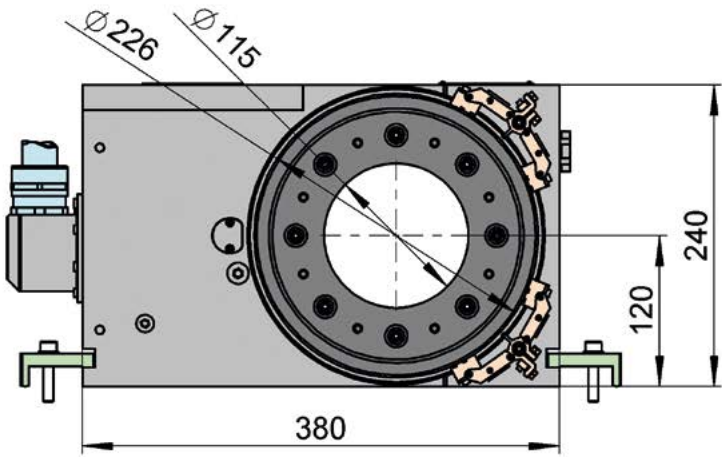
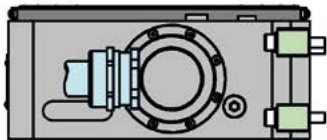
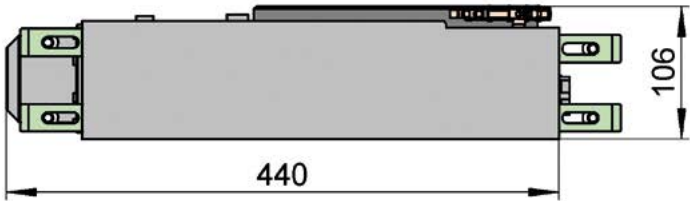


- Weight of workpiece R-axis
- tilted (90°): max. 2kg
- vertical: max. 2kg
- Suitable for: SE; WE; ED
- Center height: 143,5mm
- Weight: approx. 50kg

Rotary Indexing Table FJRH-226



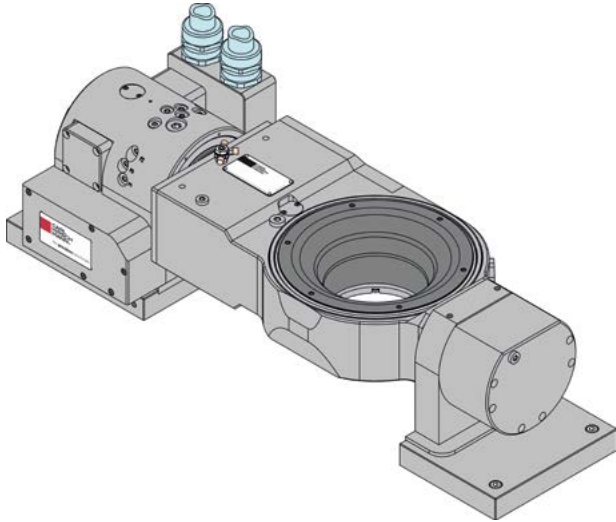
Motor	Yaskawa SGMJV-04AAA61
Measuring system	Renishaw Scanning head, Angle measuring system
Interface	Hollow axis Ø115mm
Description	FJRH-226RYAP-XX
Control	FJR1625.XXX



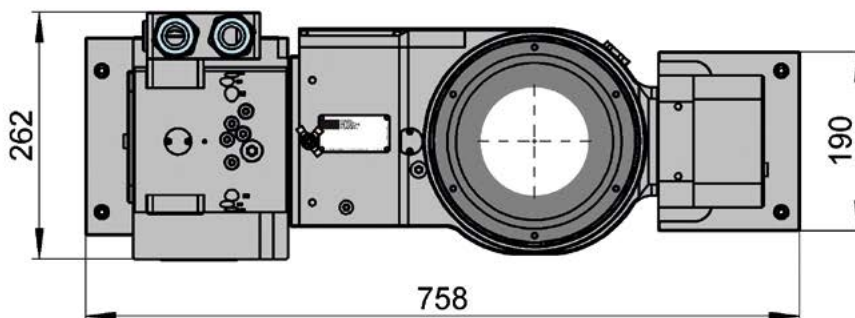
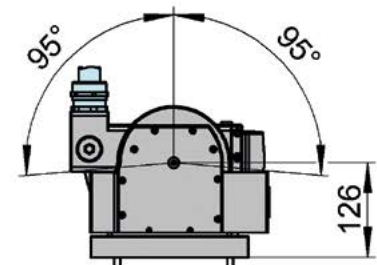
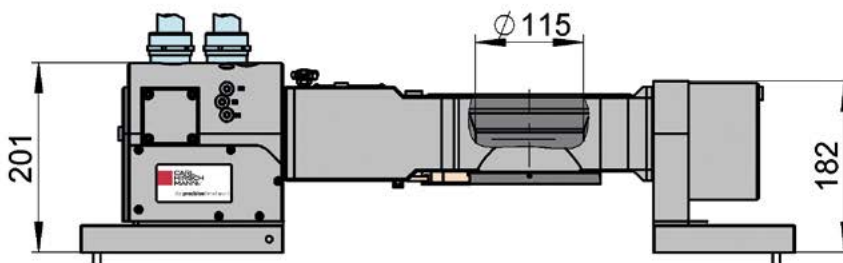
- Suitable for: SE; WE; ED
- Center height: 120mm
- Weight: approx. 50kg
- Hollow axis Ø115mm

Weight of workpiece	
max. 60kg	max. 200kg

Rotary Indexing Table FJRTH115

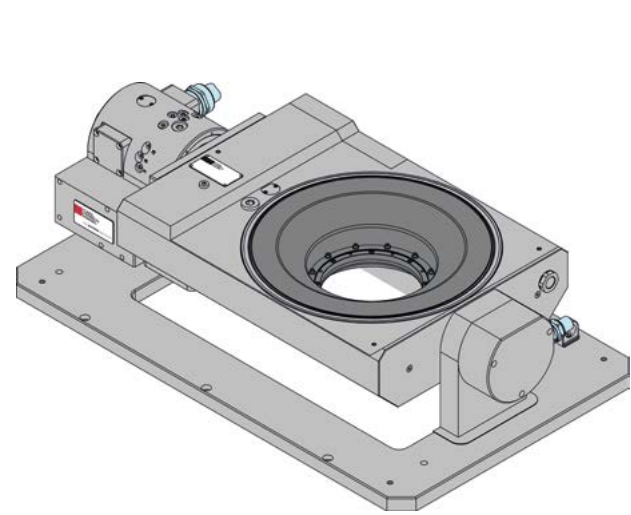


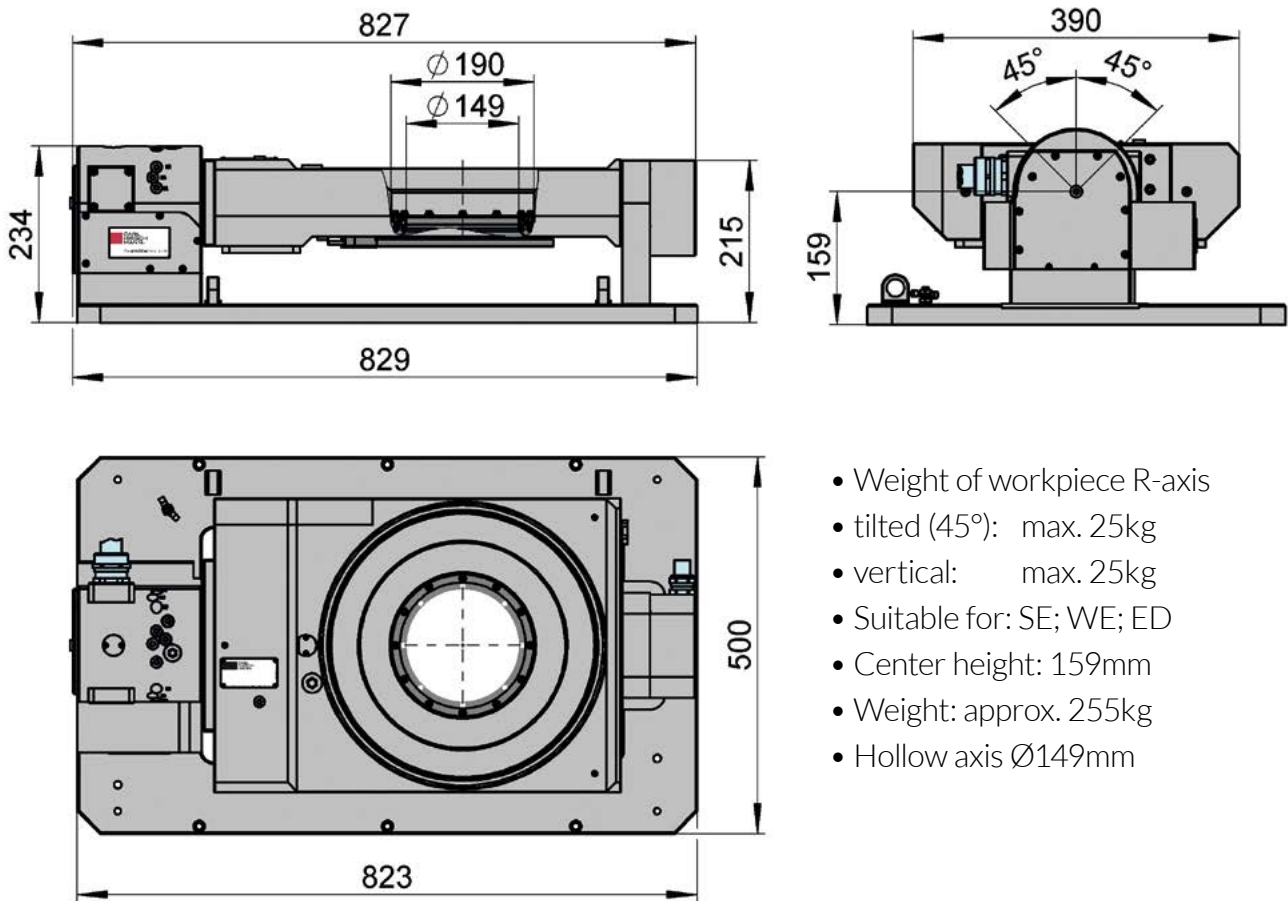
Motor	T-axis: Yaskawa SGMJV-XXX R-axis: Yaskawa SGMJV-XXX
Measuring system	T-axis: Heidenhain RCN2311 EnDat2.2 R-axis: Renishaw Scanning head Angle measu- ring system
Interface	Hollow axis Ø115mm
Description	FJRH-226RYAP-XX
Control	FJR1625.2XXX



- Weight of workpiece R-axis
- geschwenkt (90°): max. 25kg
- vertikal: max. 25kg
- Suitable for: SE; WE; ED
- Center height: 126mm
- Weight: approx. 85kg
- Hollow axis Ø115mm

Rotary Indexing Table FJRTH149

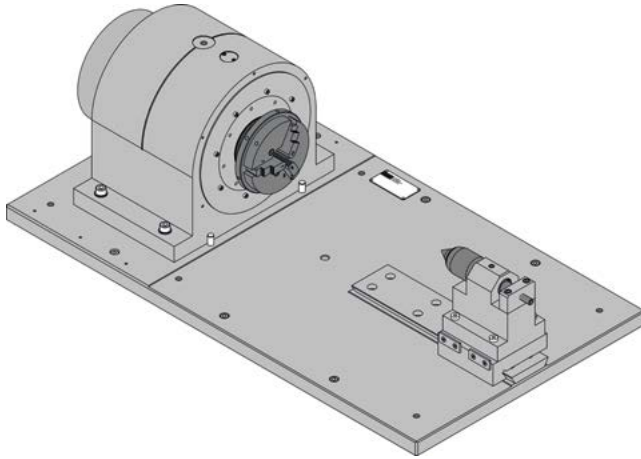
	<div> Motor </div> <div> T- and R-axis: Yaskawa SGMJV-XXX </div>
	<div> Measuring system </div> <div> T-axis: Heidenhain RCN2311 EnDat2.2 R-axis: Heidenhain Scanning head Angle measu- ring system </div>
	<div> Interface </div> <div> Hollow axis Ø149mm </div>
	<div> Description </div> <div> FJRTH149RF-P-XX </div>
	<div> Control </div> <div> FJR1625.2XXX </div>



- Weight of workpiece R-axis
- tilted (45°): max. 25kg
- vertical: max. 25kg
- Suitable for: SE; WE; ED
- Center height: 159mm
- Weight: approx. 255kg
- Hollow axis Ø149mm

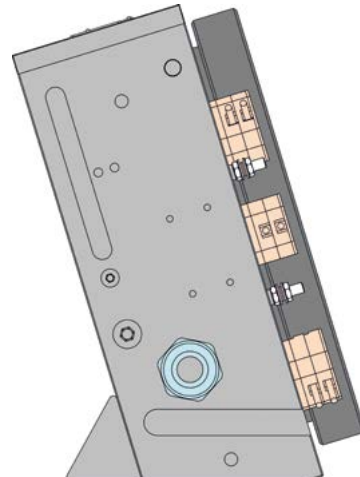
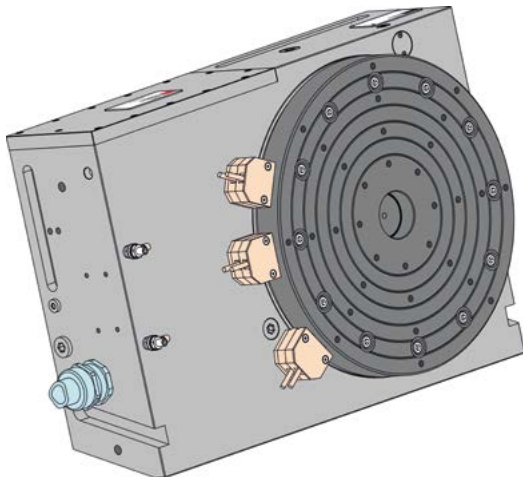
Special Solutions

Rotary Indexing Table FJR-210



- Suitable for: HSC milling
- Center height: 170mm
- Weight: approx. 340kg
- Max. speed: 200min⁻¹
- Weight of workpiece: max. 30kg

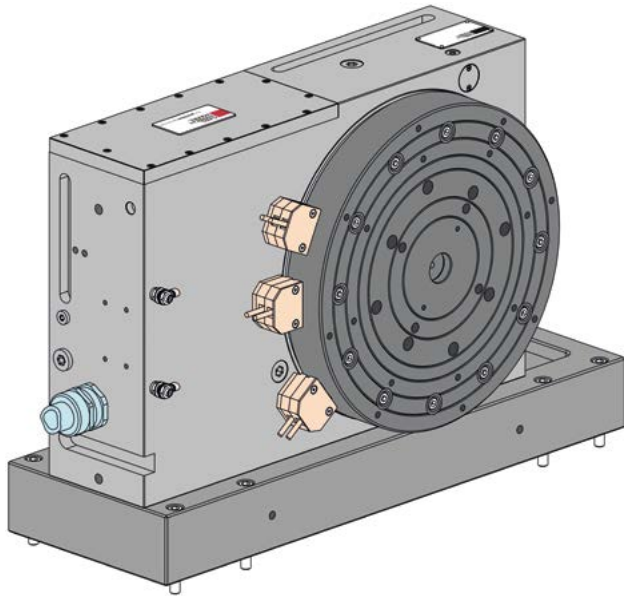
Rotary Indexing Table FJR-340



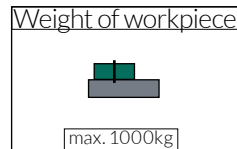
- Suitable for: SE; WE; ED
- Center height: 200mm
- Weight: approx. 160kg

Weight of workpiece	
max. 300kg	max. 1000kg

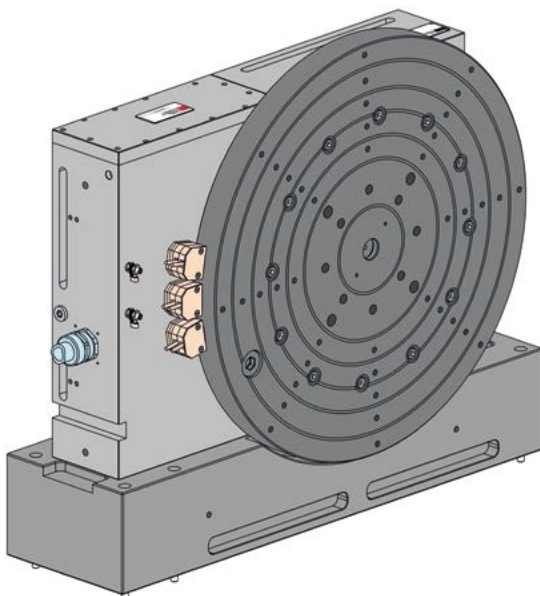
Rotary Indexing Table FJR-340 with base



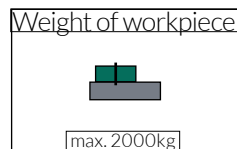
- Suitable for: SE; WE; ED
- Center height: 250mm
- Weight: approx. 250kg



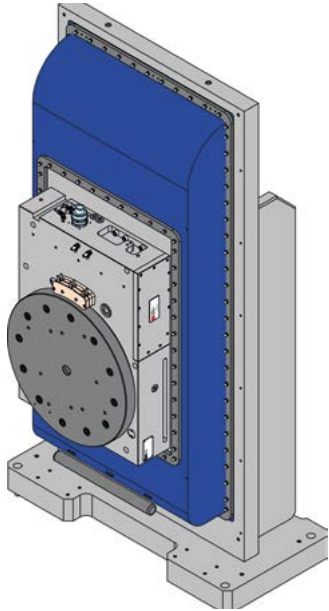
Rotary Indexing Table FJR-500 with base



- Suitable for: SE; WE; ED
- Center height: 405mm
- Weight: approx. 615kg

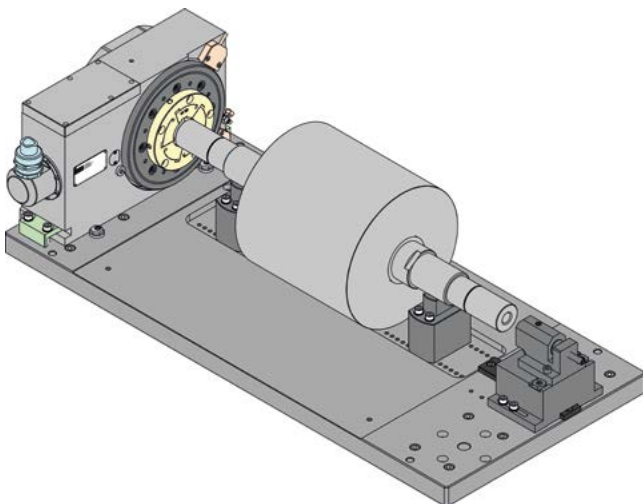


Rotary Indexing Table FJR-Z500



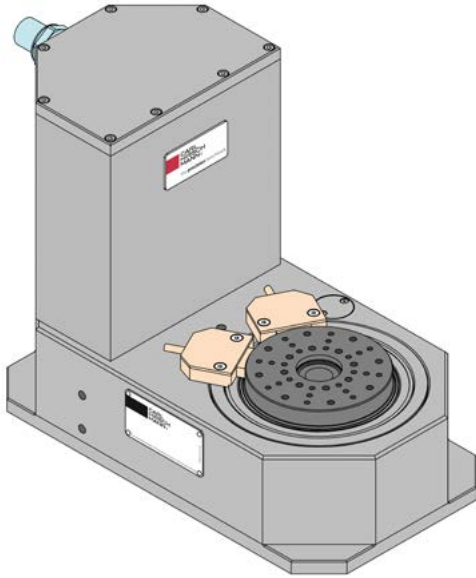
- Suitable for: SE; WE
- Center height: 760mm
- Weight: approx. 2400kg
- Z- hub: travelling distance ± 250 mm
- Weight of workpiece max. 330kg

Rotary Indexing Table FJRH-226 with tailstock unit



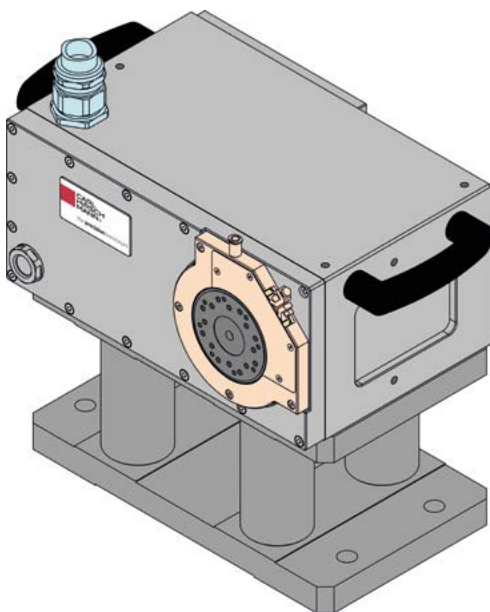
- Suitable for: SE; WE; ED
- Center height: 160mm
- Weight: approx. 655kg
- Weight of workpiece max. 120kg

Rotating Spindle FJRR120



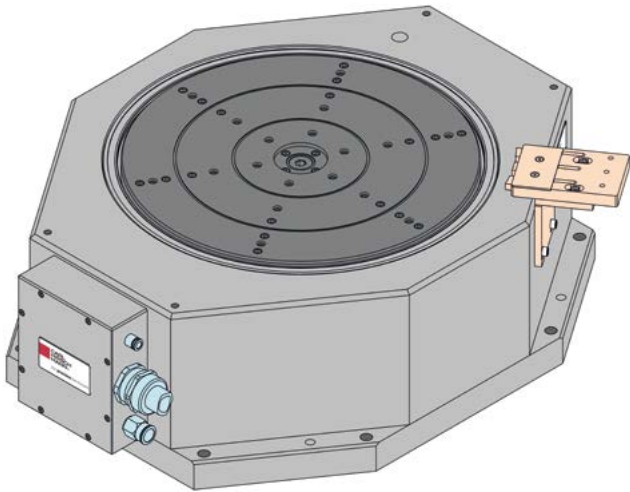
- Suitable for: SE; WE
- Weight: approx. 34kg
- Max. speed: 600min⁻¹
- Weight of workpiece max. 50kg

Rotating Spindle FJR150 with base



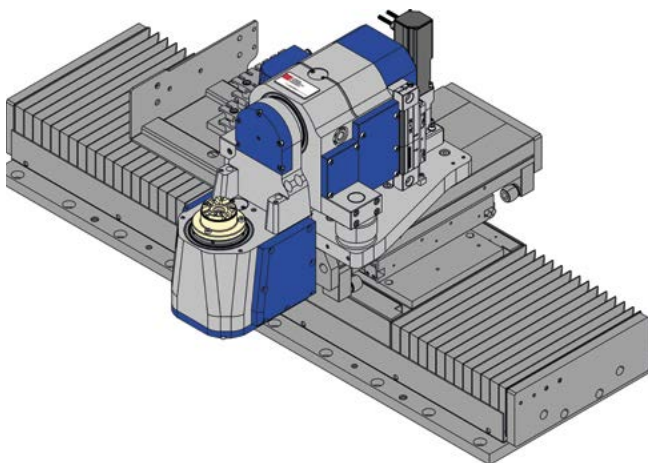
- Suitable for: SE; WE
- Center height: 255mm
- Weight: approx. 100kg
- Max. speed: 110min⁻¹
- Weight of workpiece max. 50kg

Rotating Spindle FJRR400



- Suitable for: SE; WE
- Weight: approx. 300kg
- Max. speed: 20min⁻¹
- With air bearings
- Radial run-out 0,5µm
- Axial run-out 0,5µm
- Weight of workpiece max. 50kg

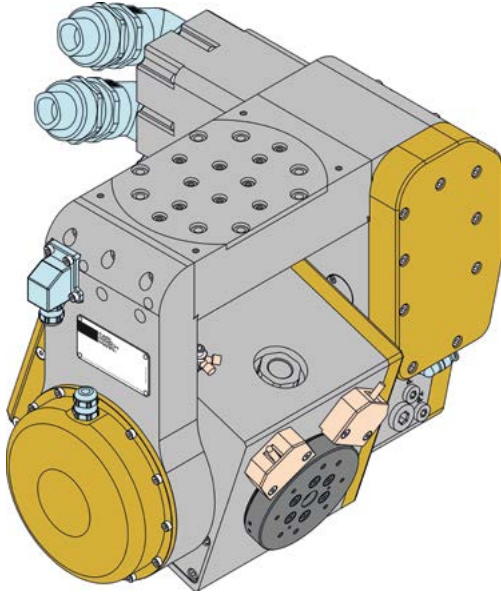
Rotary Indexing Table FJRT075 with 5 axes



- Suitable for: laser
- Center height: 392mm
- Weight: approx. 305kg
- Weight of workpiece R-axis

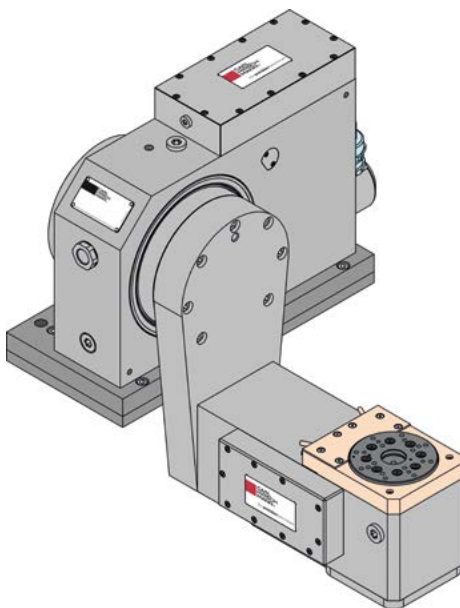
tilted (65°):	max. 5kg
vertical:	max. 5kg

Multi-eroding head FJRT100



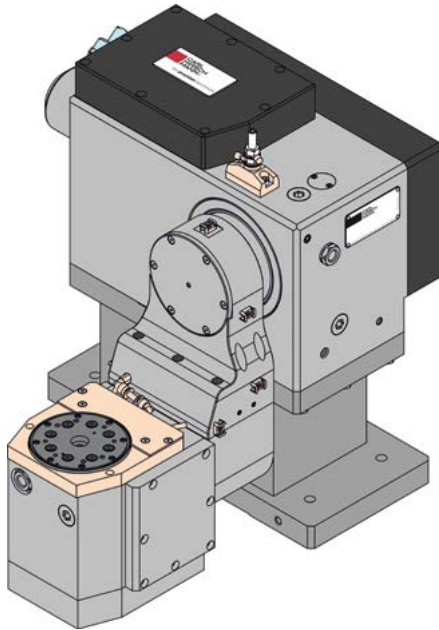
- Suitable for: SE; WE; ED
- Center height: 210mm
- Weight: approx. 45kg
- Weight of workpiece R-axis
 - tilted (90°): max. 8kg
 - vertical: max. 8kg

Rotary Indexing Table FJRT120



- Suitable for: SE; WE; ED
- Center height: 164mm
- Weight: approx. 130kg
- Weight of workpiece R-axis
 - tilted (20°): max. 65kg
 - vertical: max. 65kg

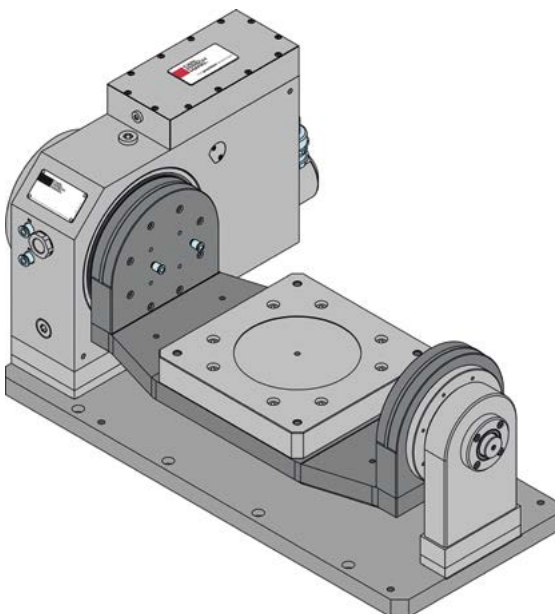
Rotary Indexing Table FJRT126 with base



- Suitable for: SE; WE; ED
- Center height: 300mm
- Weight: approx. 130kg
- Weight of workpiece R-axis

tilted (90°):	max. 20kg
vertical:	max. 20kg

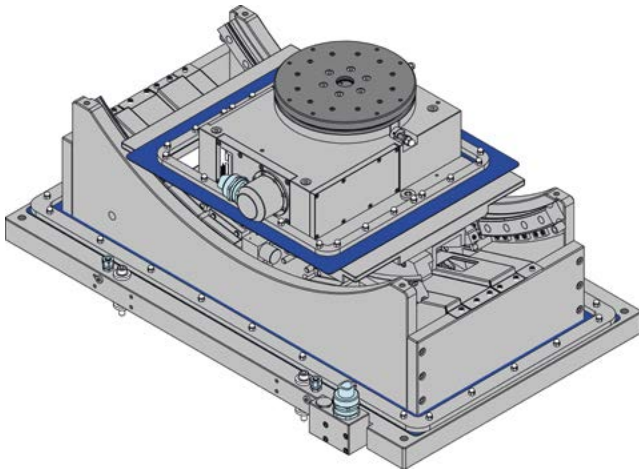
Rotary Indexing Table FJT-226



- Suitable for: SE; WE; ED
- Center height: 190mm
- Weight: approx. 150kg
- Weight of workpiece R-axis

tilted (70°):	max. 120kg
vertical:	max. 120kg

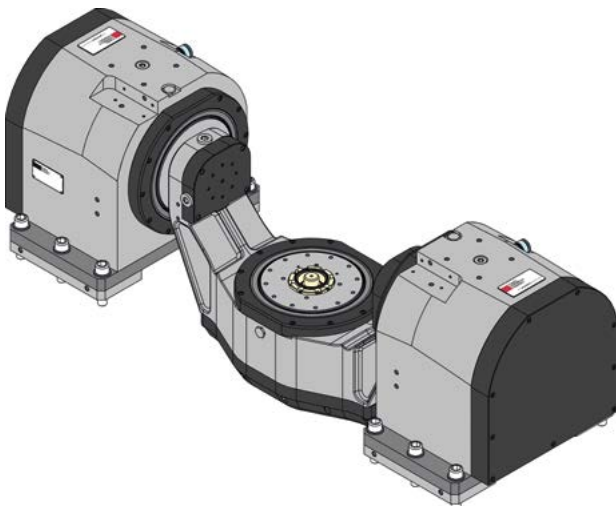
Rotary Indexing Table FJRT250



- Suitable for: SE; WE; ED
- Center of rotation: 717mm
- Weight: approx. 530kg
- Brake in T-axis: Zimmer pneumatic clamping unit MKS3501/1000
- Weight of workpiece R-axis

tilted (25°):	max. 150kg
vertical:	max. 250kg

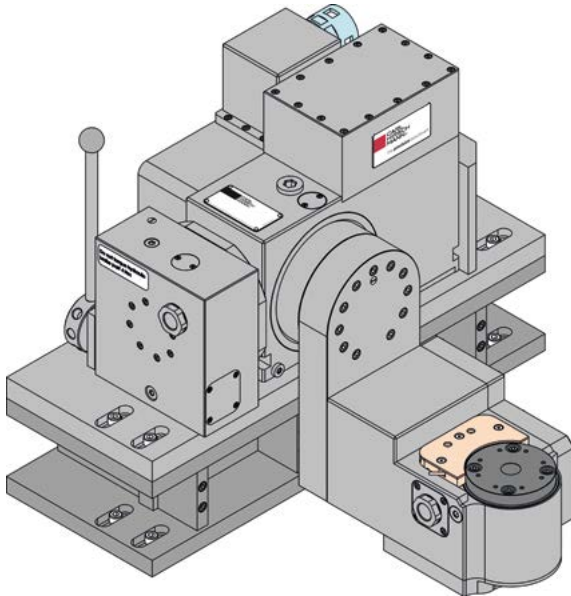
Rotary Indexing Table FJRTD180



- Suitable for: laser
- Center height: 210mm
- Weight: approx. 425kg
- Torque motors for highest acceleration in all axes
- Integrated clamber HSK 63
- Weight of workpiece R-axis

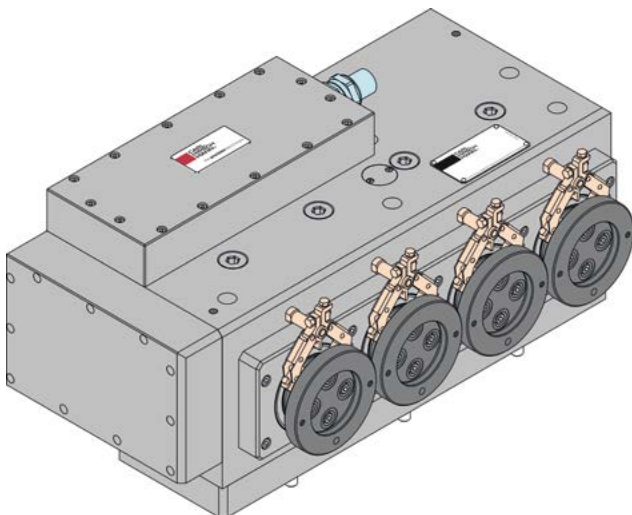
tilted (90°):	max. 5kg
vertical:	max. 5kg

Rotary Indexing Table FJRT90



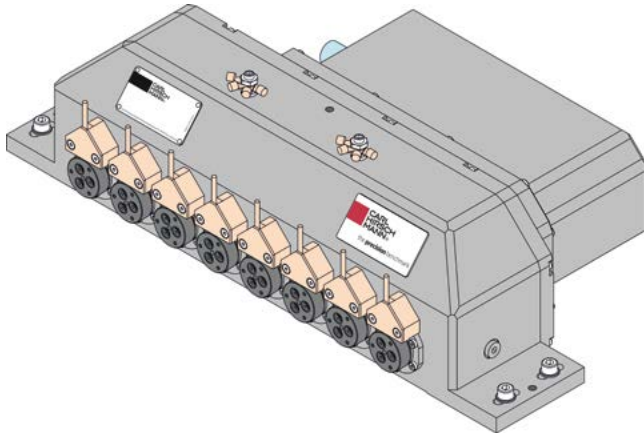
- Suitable for: SE; WE; ED
- Center height: 100mm
- Weight: approx. 100kg
- Weight of workpiece R-axis
 - tilted (90°): max. 35kg
 - vertical: max. 35kg

Rotary Indexing Table FJR-90



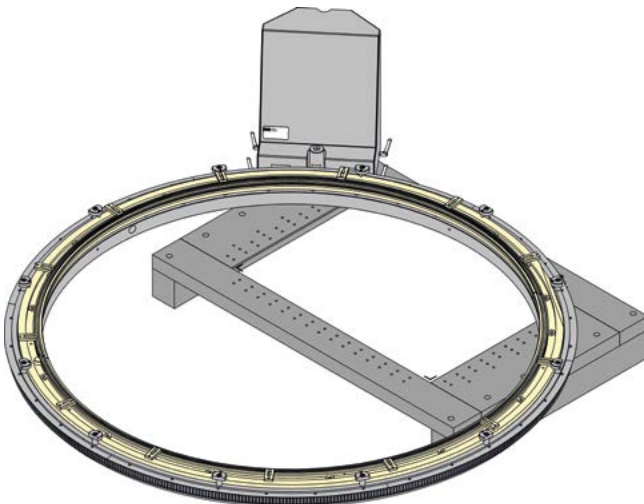
- Suitable for: SE; WE; ED
- Center height: 100mm
- Weight: approx. 100kg
- Weight of workpiece: max. 8kg per Spindle

Rotary Indexing Table FJR-036



- Suitable for: SE; WE; ED
- Center height: 36mm
- Weight: approx. 25kg
- Weight of workpiece: max. 1kg per Spindle

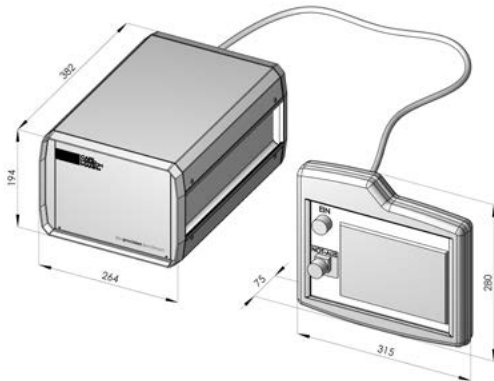
Rotation Unit FH4.9383



- Suitable for: WE
- Weight: approx. 250kg
- Max. speed: 12min⁻¹

Controls

FJR1680



- Suitable for pure rotating spindles
- 5,7" touch display with illumination switch-off
- Start/Stop controllable via machine (M-Code)
- Speed setting range 0-1500 min⁻¹
- Operation voltage 230V 50/60Hz

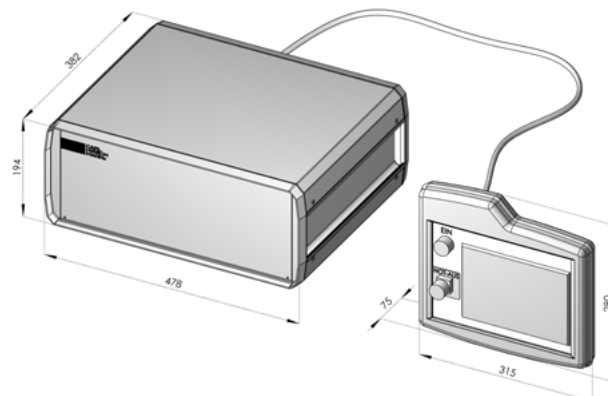
FJR1625.AC5

- Positioning control for single-axis rotary indexing tables and rotary-indexing spindles

FJR1625.2AC5

- Positioning control for two-axis rotary indexing tables

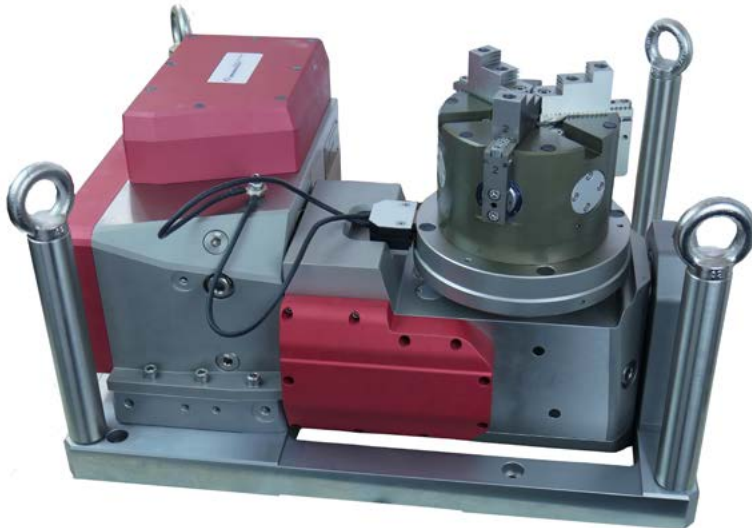
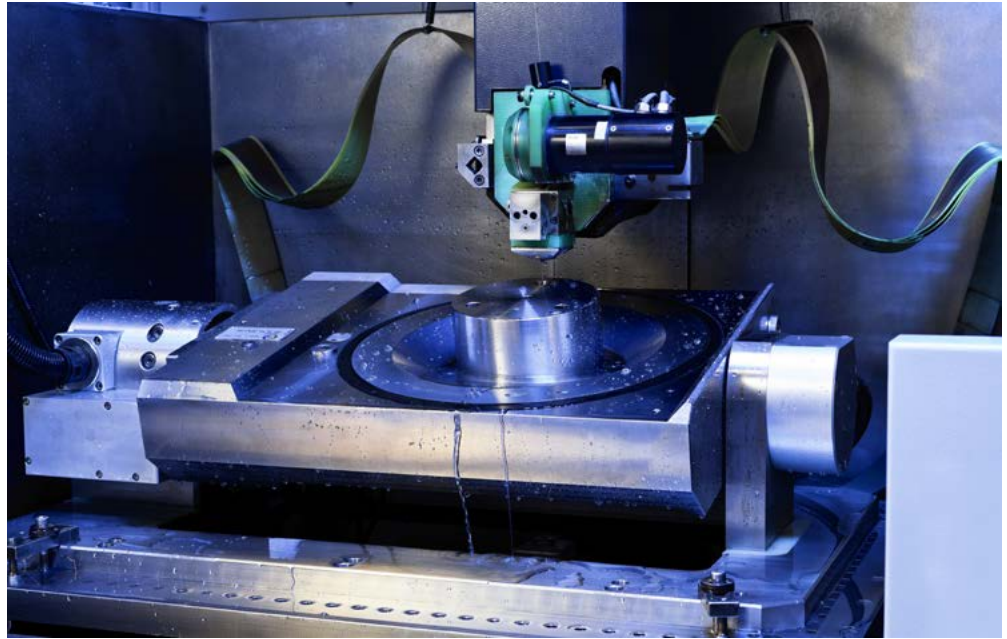
- 7" touch display with illumination switch-off
- Communication with machine via M-Code (handshake)
- Program transfer possible via FTP server (external programming place)
- Operation voltage 230V 50/60Hz



Rotary Indexing Tables

Projects







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