

PRODUCT CATALOG



Your Partner For Quality And Precision



WERKZEUGSYSTEME
MÜLLER GMBH
HOFMANN
MESS- UND TEILTECHNIK

80 years of tradition

The company history of HOFMANN

The company Hofmann Mess- und Teiltechnik is looking back on a long tradition.

Founded in the year 1947 by Mr. Dionys Hofmann senior, the former company Dionys Hofmann was engaged with the manufacturing of knife grinding machines and balancing machines. The production of dividing units has additionally begun in 1948. Through the confusions of the 2nd world war, the company settled down in Onstmettingen, where the production of precision dividing units and rotary tables has begun.

As an independent company, the commercial line dividing technology has been bought out of the Dionys Hofmann GmbH in 1993. As Hofmann Mess- und Teiltechnik the company has been founded new by Dionys Hofmann junior.

In the year 2001 the company moved over into a new production and administration building in Grosselfingen. There has been a lot of effort invested into 4,000 square meters administration- and production area for an innovative and ambitious company. At the end of 2009 Hofmann Mess- und Teiltechnik was taken over by the Müller-group, with headquarter in Pliezhausen in the near of Reutlingen.



High product quality

All important components of HOFMANN-products are manufactured in our state of the art production in Pliezhausen, Baden-Württemberg. The compliance of high quality standards will be guaranteed by experienced employees, efficient production- and measurement devices as well as by a quality management according to DIN EN ISO.





NC-Dividing Units

NC-dividing units of HOFMANN are characterized by a compact and space saving design as well as by high stiffness. The modular design allows high flexibility.

For very special applications, we develop individual special solutions.



Manual Dividing Units

All our products are on the state of the art technology and convince by short set up times, flexible fields of application, easy conversion by modular design and of course by superior quality.



Tailstocks and Accessories

A wide range of matching accessories belongs to the portfolio of Hofmann Mess- und Teiltechnik.

Our customer service ensures a quick reaction in case of any problems.



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Suitable for any application

Positioning CNC-controlled



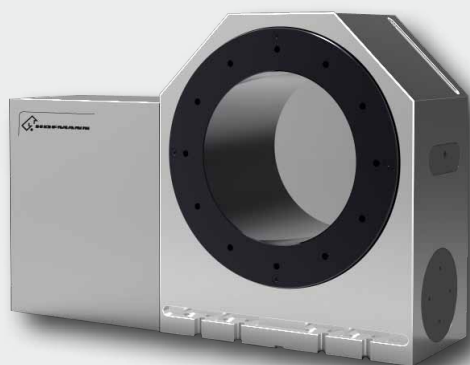
R2WNC Dividing Units

The **R2WNC** dividing units have been specially developed for horizontal or vertical turning axis and are available with centre heights of 75, 100, 125, 160, 220, 300, 380 and 400 mm.

Indirect or direct measuring systems can be used. High machining performance thanks to the use of a hydraulic indexing spindle clamp.

The dividing spindle ensures a quick change of clamping devices.

The servo motor can be mounted on the left or on the right side, as well as on the top or behind with a toothed belt drive or an angled gearbox.



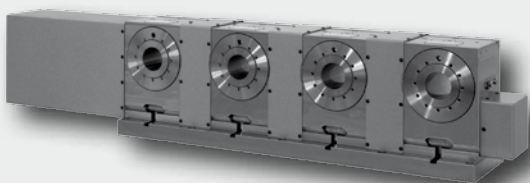
R2WNC-400 Dividing Units

R2WNC-400 dividing units for the use with horizontal turning axis and a centre height of 400 mm.

Indirect or direct measuring systems can be used. High machining performance thanks to the use of a hydraulic indexing spindle clamp.

A special feature of this dividing unit is the spindle bore with a diameter of either 320 or 360 mm through which the workpieces can be pushed through.

Especially appropriate to manufacturers of drilling technology for the oil industry and mining.



R2WNC Multi-spindle Dividing Units

R2WNC multi-spindle dividing units are available with 2, 3, 4, 5 and 6 indexing spindles. Center heights and axis distances are adaptable according to customers requirements. Depending on the axes distance, the indexing spindles are in a common housing or several one axes dividing units will be coupled on a base plate.

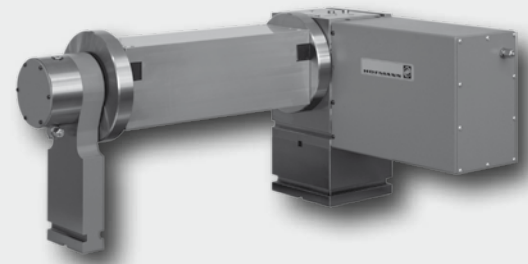
The multi-spindle dividing units correspond in construction the single-spindle **R2WNC**-series.



Clamping Bridges

Clamping bridges are made of a single dividing unit **RSNC** and a support **GH**. They can be mounted on common base plate or directly on the machine table.

The clamping bridge can be carried out as a centric or as an excentric clamping plate or as a clamping cube. T-nuts, grid clamping bores or fixtures which are adapted to the workpiece specifications will be used for the workpiece fixation.



RSNC Tilting Dividing Units

RSNC tilting dividing units use **RSNC** dividing units as turning and swivel axis. Thanks to the modular design modifications to customer requests can be realised easily.

- **RSNC-xxx/xxxS** cost-efficient standard design, rotary axis and tilting axis with offset, compact size and footprint.
- **RSNC-xxx/xxxZ** compact size and footprint, rotary axis and tilting axis without any offset.
- **RSNC-xxx/xxxL** mounted to one side, suitable for smaller operational forces with large tilting range.

Multi-spindle designs as well as hydraulically clamped supports and direct measuring systems are available.



Special versions

The Hofmann product segment, when it comes to **automation**, **cost savings** and **large quantities** in your production.

HOFMANN Mess- und Teiltechnik has developed and established the product segment special solutions as a further mainstay. With the extension of a Hofmann additional axis from the product segment special solutions, productivity of machining centers from different manufacturers can be increased efficiently.



Quality at its best

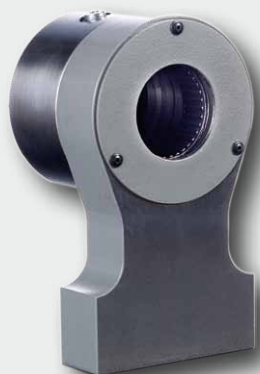
Supporting, holding up and clamping



12E Tailstocks

12E tailstocks are available with sleeve diameters of 25, 40, 60 and 100 mm for morse tapers MT-1 to MT-6 with a stroke of 25 – 200 mm. All center heights from 75 to 500 mm are possible. Tailstock sleeves with morse tapers allow the use of different tailstock centers.

- Manual adjustment of tailstock sleeve by hand wheel and manual Tailstock sleeve clamping.
- Hydraulic adjustment of tailstock sleeve
- Pneumatic adjustment of tailstock sleeve



GH Supports

GH supports are designed as a floating bearing for holding up clamping bridges or long workpieces. All center heights from 75 to 500 mm are possible. Optionally available are: Hydraulic clamping, rotary distributors, face plates, clamping chucks and much more.



Accessories for 12WNC, 12SNC, HD and HDS

- Spindle holders MK, SK, HSK, Capto and much more
- Face plates
- Jaw chucks manually/automatically
- Clamping mandrel manually/automatically
- Clamping cylinders hydraulically/ pneumatically/ electronically
- Clamping bridges and cubes
- Tailstock centers and retainers
- Clamping sets
- and much more



Direct driven

HD Dividing Units

HD dividing units are equipped with a direct drive. The torque motor is directly coupled with the indexing spindle. That allows high rotational speeds of the indexing spindle.

The dividing units are suitable for the use with horizontal or vertical rotating axes. Center heights are available with 125, 160, 220 and 300 mm. The spring loaded pneumatic safety clamping of the indexing spindle allows high machining force.



HDS Tilting Dividing Heads

HDS tilting dividing heads are using dividing units from the **HD** series as rotating- and tilting- axis. The modular design allows an easy adaptation to customer requirements.

Multi spindle versions, hydraulically clamped supports and direct measuring systems are available as well.

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HD-HDS special versions

- Outside dimensions of dividing unit in a cubic or round housing according to the machine interior
- Drive design on rotating speed or high torque
- Drive with torque motors according to customer specification
- Combination of worm drive and torque motor at tilting dividing units
- Accessories like **RVNC** dividing units

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A strong performance

Waterproof and corrosion resistant



EO2 Dividing Units

EO2 dividing units are designed for HSC-, eroding- and laser-machines.

The units can be used with vertical or horizontal rotating axis. They are available with center heights of 100, 125, 160, 220 and 300 mm.

The sealing according to IP68 and corrosion resistant materials ensures the use of dielectric liquid. It is possible to use indirect or direct measuring systems.



EOS Tilting Dividing Units

The **EOS** tilting dividing units use **EO2** indexing devices as rotating- and tilting- axis. The modular design allows an easy adaptation to customer requirements.

EOS dividing units are designed for HSC-, eroding- and laser- machines.

The sealing according to IP68 and corrosion resistant materials ensure the use of dielectric liquid. It is possible to use indirect or direct measuring systems.

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Accessories for EO2-EOS

- Spindle holders MK, SK, HSK, and much more
- Face plates
- Jaw chucks manually/automatically
- Electrode- and workpiece pallet
- Clamping sets
- and much more

Dividing manually

RH-RHI Manual Rotary Tables

RH-RHI manual rotary tables with table diameters of 200 mm are available in the following designs:

- **RH** Rotary Table with graduating drum and vernier scale for indirect indexing.
- **RHI** Rotary table with dividing plate indexing device for indirect indexing of all divisions up to 50 and much more.



R-RI-RD-RDI Manual Rotary Tables

R manual rotary tables with table diameters of 250, 320 and 400 mm are available in the following designs:

- **R** Rotary Table with hand wheel and micrometer dial with vernier scale.
- **RI** Rotary Table equipped with hole plate attachment for indirect indexing for divisions up to 50 and much more.
- **RD** Rotary Table equipped with a hand wheel and micrometer dial for indirect indexing and additional possibility, for direct indexing with 24 indexing positions for divisions 2, 3, 4, 8, 12 and 24.
- **RDI** Rotary Table equipped with hole plate attachment for indirect indexing for divisions up to 50 and additional possibility, for direct indexing with 24 indexing positions for divisions 2, 3, 4, 8, 12 and 24.



WR-WRI-WRD-WRDI Manual Rotary Tables

WR manual rotary tables have an angled housing for horizontal and vertical use. The table diameters of 250, 320 and 400 mm are available in the following designs:

- **WR** Angled Rotary Table equipped with graduating drum and vernier scale for indirect indexing.
- **WRI** Angled Rotary Table equipped with with hole plate attachment for indirect indexing for divisions up to 50.
- **WRD** Angled Rotary Table equipped with a hand wheel and micrometer dial for indirect indexing and additional possibility, for direct indexing with 24 indexing positions for divisions 2, 3, 4, 8, 12 and 24.
- **WRDI** Angled Rotary Table equipped with hole plate attachment for indirect indexing for divisions up to 50 and additional possibility, for direct indexing with 24 indexing positions for divisions 2, 3, 4, 8, 12 and 24.



Dividing manually



HTH-100 Tilting Dividing Heads

HTH Semi-universal dividing head with manually operated rotating- and tilting axis. Available with center heights of 100, 125, 160 and 200 mm. The spindle head of the rotating axis can be swivelled from 0° to 90°. Divisions can be carried out with:

- **Indirect dividing** by worm gear with micrometer dial and vernier scale
- **Indirect dividing** by worm gear with hole plate attachment
- **Direct dividing** with worm gear completely disengaged via direct indexing plate

The **UTH** Universal Dividing Unit is almost equal to the **HTH** type. However it is possible to do differential indexing as well as spiral milling by an additional gear output and exchangeable sets of change gears.



VTS Direct Dividing Units

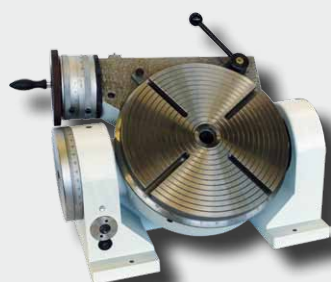
VTS direct dividing unit with a one-hand quick indexing device for rapid dividing operation and center heights of 125, 160 or 200 mm for vertical and horizontal operation. The dividing units can be equipped with three jaw chucks, four jaw chucks, collet chucks or face plates. Quick, economic dividing with standard direct indexing plates with 24 notches for divisions 2, 3, 4, 6, 8, 12 and 24. After disengaging the direct indexing plate, manual movement of the indexing spindle to any angle is possible. Special indexing plates with up to 36 notches and also unequal divisions are possible according to customer wishes.



TSH Dividing Heads

TSH dividing heads can be universally used on engraving, milling, grinding or drilling machines to cut polygonal surfaces or pitch circles. The clampable dividing spindle can be divided by worm gear, direct dividing or 360 deg. freely by hand. The dividing unit can be swivelled and clamped in any position between 0 and 90 deg. Therefore, the work piece can be brought into every position.

- **Indirect dividing** by worm gear with a transmission ratio of $i=60:1$ with micrometer dial.
- **Direct dividing** by graduation and vernier scale at the indexing spindle.



HPRS Tilting Rotary Tables

HPRS tilting rotary tables Manual tilting rotary table HPRS with table diameter 320 mm and tilting range from 0° to 90°, available in following versions:

- **HPRS/M** Tilting rotary table with micrometer dial and vernier scale for rotating and tilting axis
- **HPRS/T** Tilting rotary table hole plate attachment for the rotating axis and micrometer dial with vernier scale for the tilting axis

Clamping, balancing and concentricity testing

FBL Balancing Stands

FBL balancing stands for static balancing of disc-shaped parts or for concentricity testing.

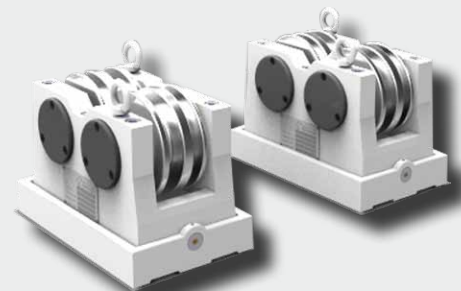
The balancing stands are designed for maximum weights of 10, 100 and 400 kg and will be supplied as a set of two balancing stands. Base rails are available in lengths of 700 mm, 1,000 mm and 1,400 mm.



FBS Balancing Stands

FBS balancing stands for static balancing of heavy and heaviest rotators, or for concentricity testing. The stands are designed for maximum weights of 800, 2,000, 5,000, 10,000, 25,000 and 50,000 kg. The balancing stands will be delivered as a set consisting of two balancing stands.

The rollers in the carrier frame are swivel mounted in the base frame. Therefore the test-pieces are completely on the rollers even at small diameter differences.



Z Collet Chuck Stands

Z collet chuck stands for the quick fixation of workpieces with collet chucks. Suitable for the use on drilling- and milling- machines, thread cutting devices and measuring devices. Customary standard collet chucks will be used for round-, square- or hexagon material.

The collet chuck stand is available with or without collet chucks.





Hofmann Mess- und Teiltechnik is part of the renowned Müller group, a successful alliance of five companies, which offers great synergistic effects to their customers.

Having more than 80 years of experience combined with fresh creativity and innovational strength, Hofmann is a well sought-after partner by renowned manufacturers of machine tools for processing metal. Our efficient and customized solutions are produced by qualified specialists in our state-of-the-art machine outfit in Pliezhausen near Stuttgart. Fast, cost-saving and specially designed for the needs of our customers.

Invest in the technology of the brand name HOFMANN.
You will benefit from it!



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