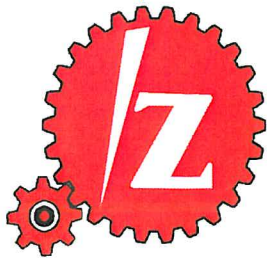


ZEATZ



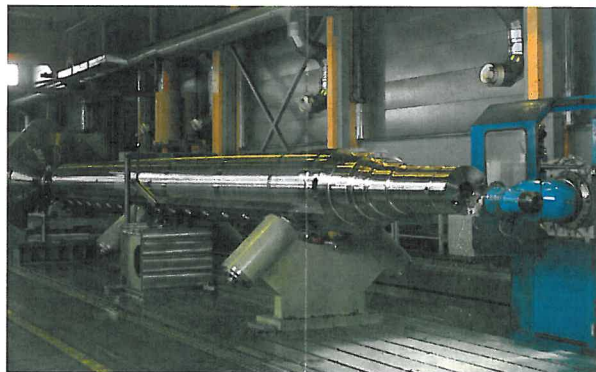
ZEATZ

ROTARY TABLES

THE HISTORY OF AN OVER 50 YEAR OLD BRAND

More than 50 years of history endorse the quality and reliability of our products in a market as demanding as the machine tool market, and this makes us innovate in all products in order to provide our clients with the technical solutions in the fields they require.

From the smallest to the biggest dividers, we know how important this accessory is for the large amount of precision operations that are carried out to achieve the highest quality standards, and that's why we have mechanical, electrical, electronic and design departments to continue giving solutions to the world of industrial mechanisation.

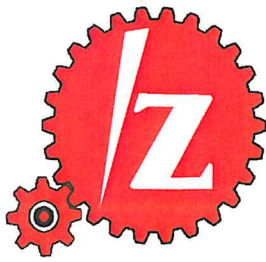


MARKET AND SECTORS



The ZEATZ Rotary Tables enjoy great prestige and recognition throughout the world, being present in most countries and working for sectors such as machine tools, energy, naval ...





ZEATZ

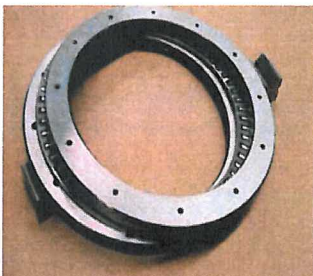
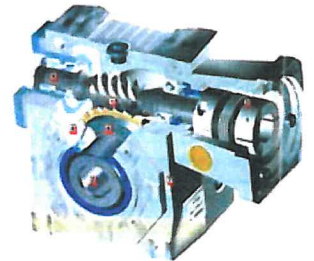
ROTARY TABLES

ROTARY TABLES: DESIGN AND CONSTRUCTION



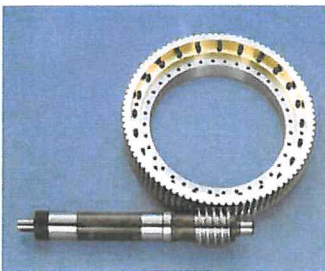
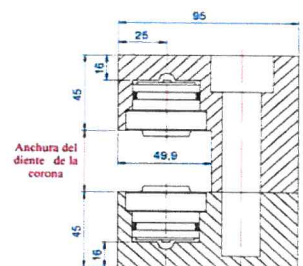
The bases and tables are made of GG20 and GG30 cast iron, stabilised to eliminate all types of material tensions and guarantee the geometrical precision of the divider.

The servomotor starts up the high precision reduction box with which we can get maximum drilling torque in order to carry out continuous rotating drilling.



The bearings can either be roller or hydrostatic depending on the application and required characteristics and can reach a load capacity of up to 200 T.

The locking system is hydraulic which directly starts up in the corona to get a maximum locking action diameter.



The main operation is done through a worm drive or crown circle with a backlash correction system to guarantee maximum precision and repeatability.

The measuring system can be direct or indirect depending on the precision one wants to obtain, which could be 1" with the most accurate direct reading systems.

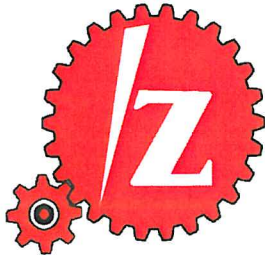


ROTARY TABLE VERIFICATION:

All the dividers come with verification cards for geometry as well as for angular verification, which certify fulfilment of norms UNE 15300-2, UNE15450-2, VDI 3441. The angular verifications are carried



out using a Renishaw Interferometric laser system with which we can measure the angularity, positioning, rectitude of different types of machine tools, whether in our installations or in the client's.



ZEATZ

ROTARY TABLES

High precisión Horizontal rotary-tables

PH RANGE

- PH 450
- PH 600
- PH 800
- PH 1000
- PH 1200
- PH 1500
- PH 2000
- PH 2500
- PH 3000

The PH range covers horizontal rotary tables (vertical axis) from 450 mm to 3 m and can have round, square or rectangular table configurations with different slot measurements depending on client requirements and applications.

The table can also be equipped with hydraulic outlets of 4, 6, 8, 10... points in order to be able to adapt any type of automatic part clamp or pallets.

The working of these rotary tables is done through worm drive or 4 quality crown circle with a backlash correction system with which we can guarantee accuracy during the working lifespan.

The rotor is supported by cylindrical point bearings on hardened steel runs especially designed to hold the large weights the rotary tables will be subjected to.

The measuring system always goes in such a way that any type of adjustment or replacement operation is easy.

The rotary table design guarantees us perfect sealing against any type of external agents, whether metal shavings, lubricants ... which are always a threat to the correct working and life of any type of rotary table.



PH 2500X2000



PH 3000X3000

DESIGNED TO CLIENTS' NEEDS



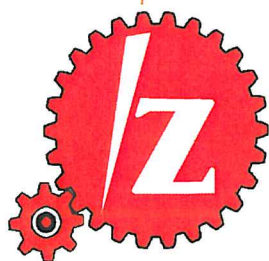
PH 1900



PH 450



PH 2500X 2500



ZEATZ

ROTARY TABLES

HIGH PRECISION HORIZONTAL VERTICAL ROTARY-TABLES

PHV RANGE

- *PH V 450*
- *PH V 600*
- *PH V 800*
- *PHV 1000*
- *PHV 1200*
- *PHV 1500*
- *PHV 2000*
- *PHV 2500*
- *PHV 3000*

The PHV range rotary-tables are specially designed to work vertically or horizontally and therefore acquire great versatility when making any type of part.

The design of these rotary-tables, especially reinforced structurally like in its elements, allows us to carry out works of great power and precision, whether working in the open or with supports like tailstocks, rests, rollers...

One of the most important accessories in this type of rotary table is the jaw chuck, which ensures fast and secure clamping for any type of part, whether cylindrical, square or rectangular.

Any rotary table can be equipped with a jaw chuck, whether manual or hydraulic,

with independent or universal chucks or any other type of structure that adapts to the clamp or part.

Other accessories of great importance are tailstocks and rests. These provide us with greater load capacity and rigidity in the works we have to carry out with important lengths without any other type of support.



PHV 2500X2500

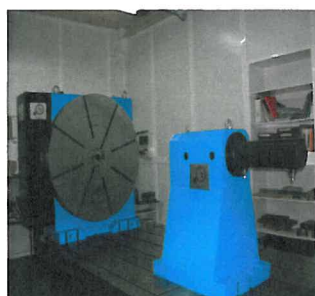


PHV 2000x2000

DESIGNED TO CLIENTS' NEEDS



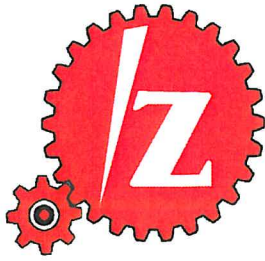
PHV 1500



PHV 1200 WITH TAILSTOCK



PHV 600 WITH TAILSTOCK



ZEATZ

ROTARY TABLES

TILTED AND CONTINUOUS ROTATION ROTARY TABLES

PT-2 RANGE

- PT 450
- PT 600
- PT 800
- PT 1000
- PT 1200
- PT 1500
- PT 2000
- PT 2500
- PT 3000

The rotary tables with an automatic tilt angle offer us great versatility when facing any type of work, no matters how complicated or demanding it may be.

For this reason, they are designed in such a way that each axis has its own working, locking system and measuring system.

There are various options when configuring this type of rotary table; with two controlled axis or either manual.

The tilt angle can also vary according to the type of part or work to be carried out, the most common being from — 20 + 90 degrees.

equip your machine with another two additional axis with which you can meet your clients' most demanding requirements.

There is also the option of equipping the PT range with any type of accessory like jaw chucks, pallets, tailstocks, rests, rollers etc, etc.



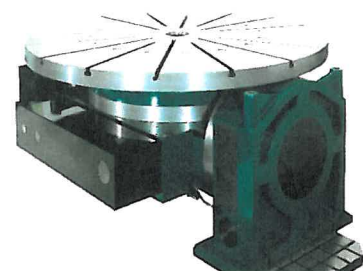
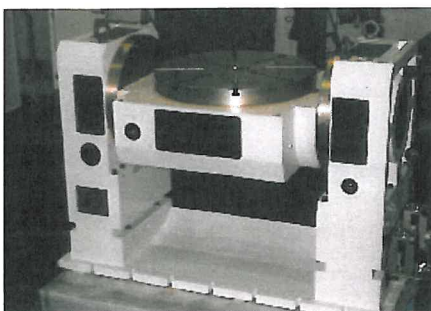
PT2 -1000

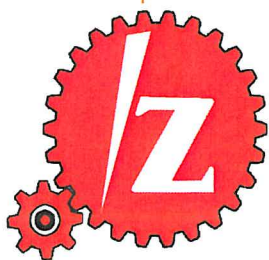


PT2 450 with tailstock

Thanks to the functionality of these rotary tables you can

DESIGNED TO CLIENTS' NEEDS





ZEATZ

ROTARY TABLES

HIDROSTATIC AND LINEAL ROTARY TABLES

The hydrostatic rotary tables can be integrated on lineal axis or independently.

These rotary tables are designed to support up to 100 T and the hardest mechanised conditions.

They also offer excellent durability thanks to the hydrostatic working of the rotary elements. With the addition of the lineal axis we give the machine even more versatility with which we can carry out large mechanisations with the guarantees and quality demanded nowadays.

The lineal table lengths go from 1 meter to 12 meter, in the case of larger versions

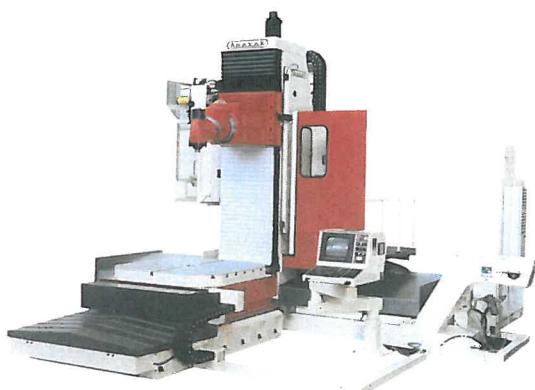
equipped with hydrostatic rotary tables, 4 –5 meters of table.

The working of the table is usually done with ball screws for short versions and rack and pinion with anti-backlash systems.

The position measuring system is done through optical rulers to guarantee the exact position under all working conditions.

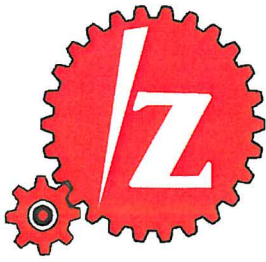


PHL 2000X2000



PHL 3000X3000





ZEATZ

ROTARY TABLES

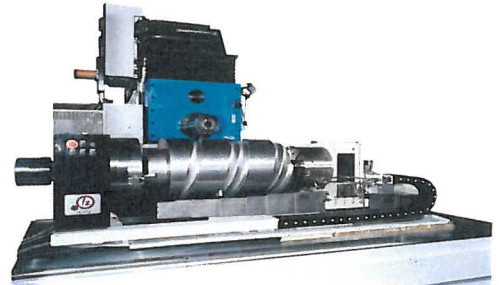
Rotary tables for special applications

- *Spiral machining:*

- *PV 450 with hydraulic claw plate and hydraulic counter-point on ± 20 degree angular plate. Maximum machined length: 1,000 mm, part turning: 600 mm.*



PV 600 and PV 450 with 1.500 mm linear movement on bed, with hydraulic claw plates of 600 mm and 500 mm and ± 15 degree angular plate.



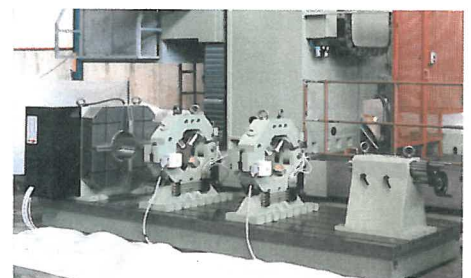
- *Verification and centering bench for tools and parts of 2.000 mm diameter with bench and integrated measuring equipment.*

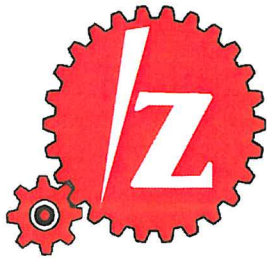


- *Hydraulic steadies for 250/700 diameter parts, with automatic upper opening and four support points on bushings and rolling track.*



- *PV-1000 with through hole 300 mm with hydraulic steady rests and manual tailstock.*





ZEATZ

ROTARY TABLES

Rotary tables for special applications

- *PHV 1200 x 1200 with 300 mm pass through hole.*
- *PV 1200 with manual Windows with four support points and semi-windows with two support points.*
- *Drag rotary table and counterpoint rotary table, with ring of independent claws, diameter 1000 mm.*
- *PHV 600 with integrated FAGOR control desk.*

