


IBARMIA.

C SERIES

MACHINING SOLUTIONS FOR LARGE RINGS

Complete range of solutions for machining
large circular pieces up to $\varnothing 8000$ mm.





IBARMIA's activity had its origin in the manufacturing of industrial drilling machines following new technical developments and constantly improvements started producing high productivity machining centers since 1986. It is from 1998 when both lines come together in this natural step that combines all the knowledge acquired during more than 40 years building drills and another three decades dedicated to the development and manufacture of high-performance machining centers , a rich baggage that added to the engineering capacity and the flexibility of construction has made IBARMIA a leader in the machining of large flanges and bearings up to 8 meters in diameter.

1_

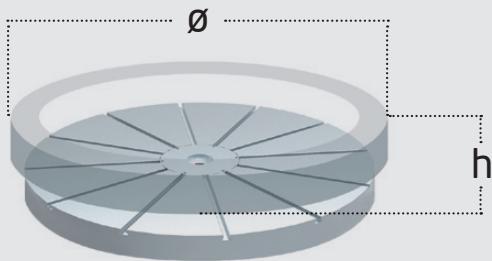
TURNING CENTRES

Specially designed for operations on large bearings
and flange rings up to ø8000 mm.



L MODELS • TURNING CENTRES

One or two RAM in portal construction, which allow to cover any range of work from the center of the table to a maximum diameter of $\varnothing 8000$ mm.

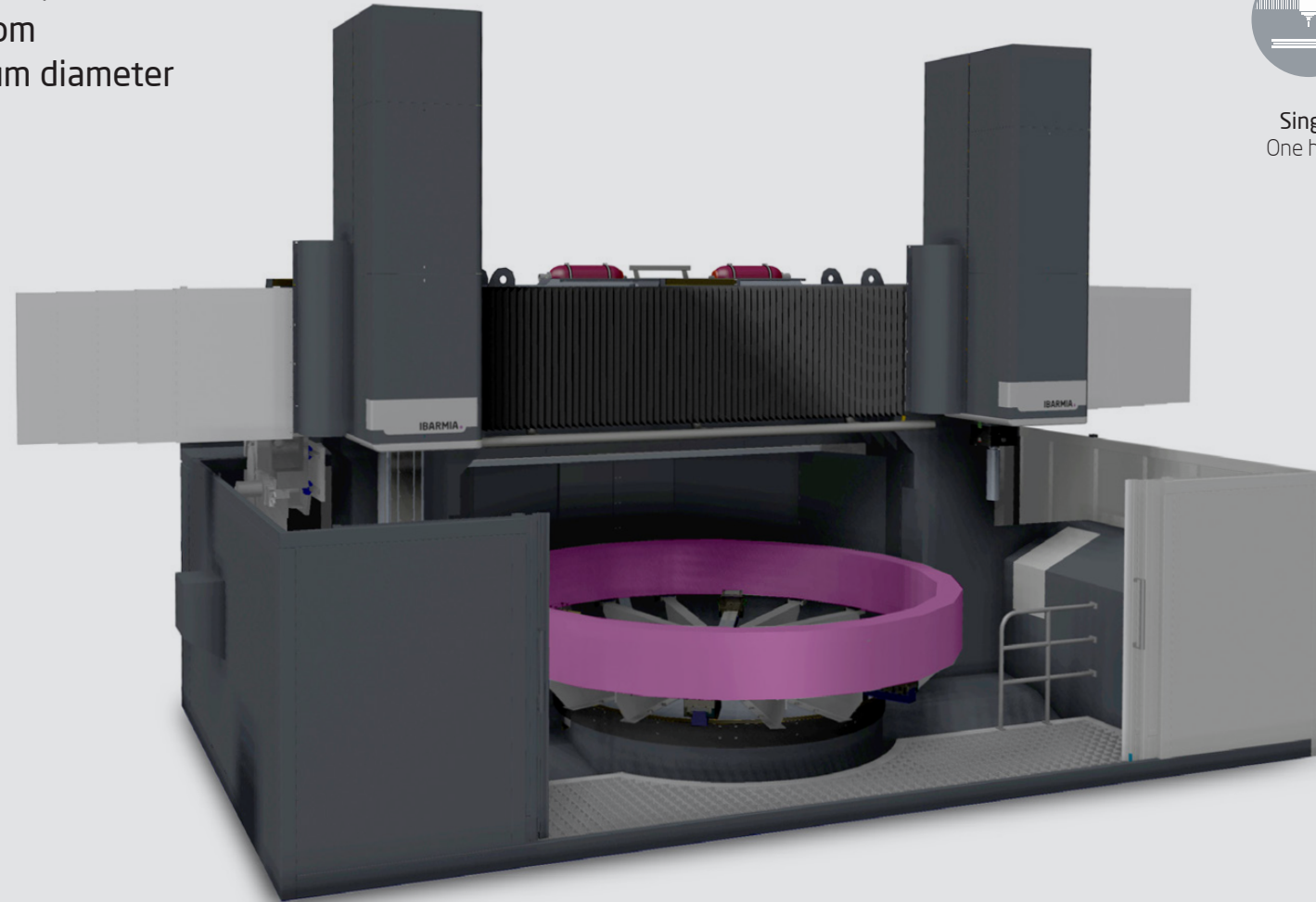


Max. work piece diameter

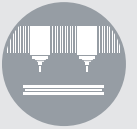
$\varnothing 8.000$ mm

Max. work piece height

1.050 mm



Single
One head



Dual
Double head

High precision RAM head with high cutting capacity.
Equipped with prismatic guides for maximum reduction
of vibrations.



RAM (1)

Size: 320x320 / 400x400 mm.
Stroke: 600-1200 mm.

-
- Live spindle



RAM (2)

Size: 320x320 / 400x400 mm.
Stroke: 600-1200 mm.

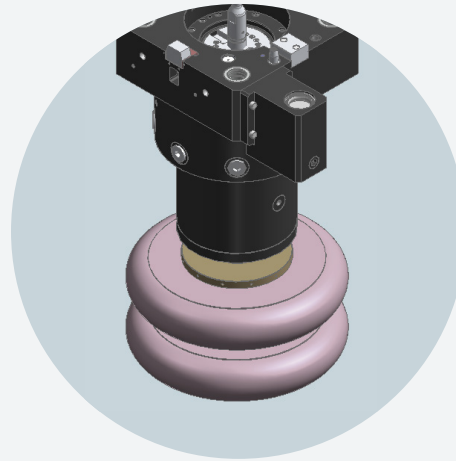
Include Live Spindle, and offers:
Turning / Milling / Drilling / Threading / Boring / Grinding.

Automatic heads change system



Fork head

Motor spindle for grinding purposes



Straight head

Grinding purposes



Angular head

Mechanical spindle

L MODELS • TURNING TABLE

IBARMIA.

Turning table with
Hydrostatic design developed
by IBARMIA.

Max. speed

Up to 70 rpm

Transmisión

Double motor with pinion-crown system.

Power dual motor

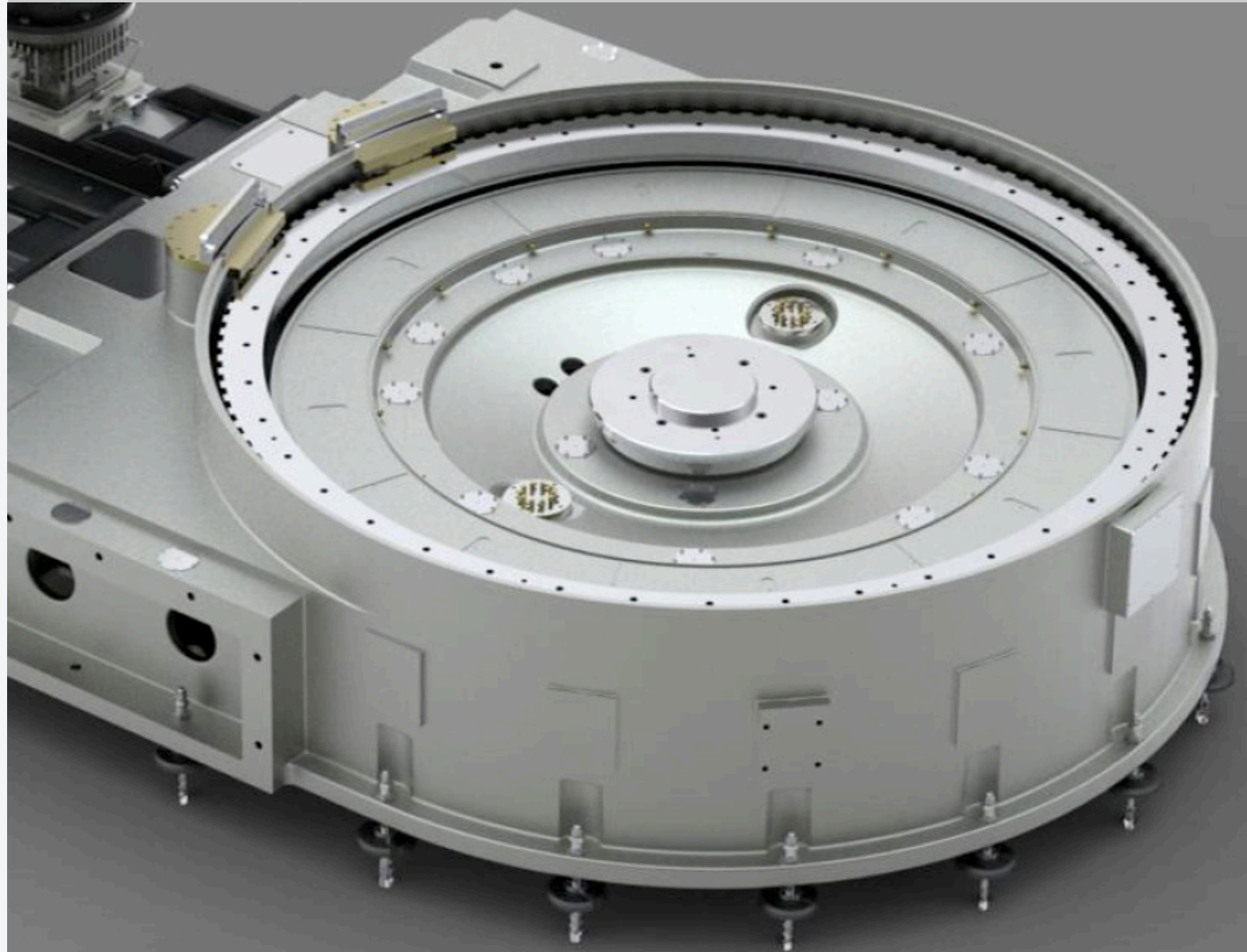
Up to 2x113 kW (S1) / 2x153 kW (S6)

Max. torque

Up to 250 Nm

Fixture devices

- Manual
- Automatic self-centering



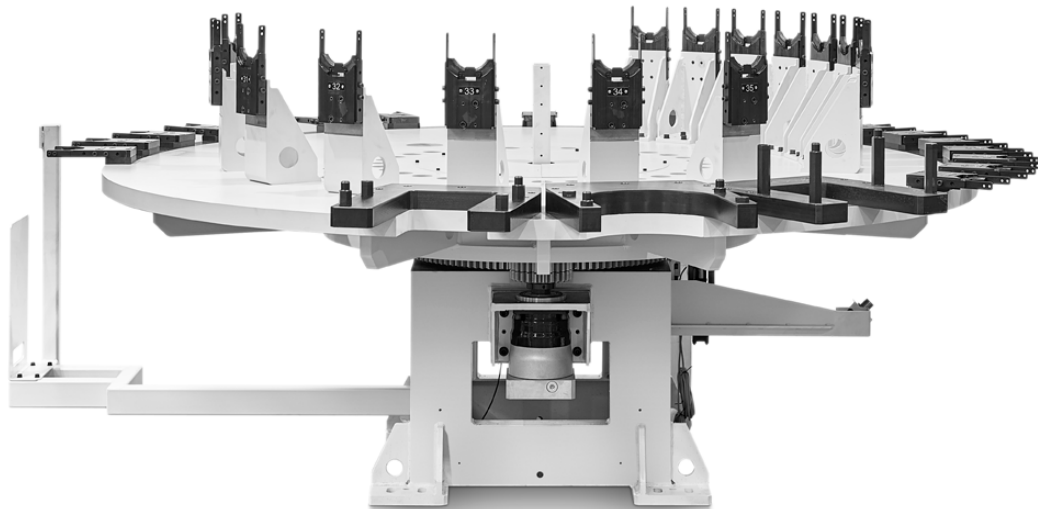
L MODELS • RAM & CROSSBEAM

IBARMIA.

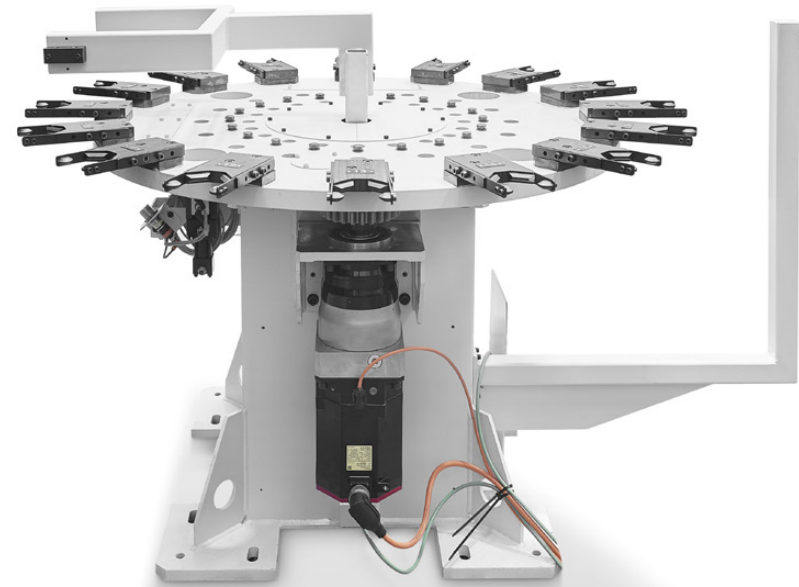


PROVISIONAL

10 Turning tools CAPTO C8
15 Horizontal drill tools BT 50 / 10 Vertical drill tools BT 50
Turning head
Angular head
Cover for vertical spindle



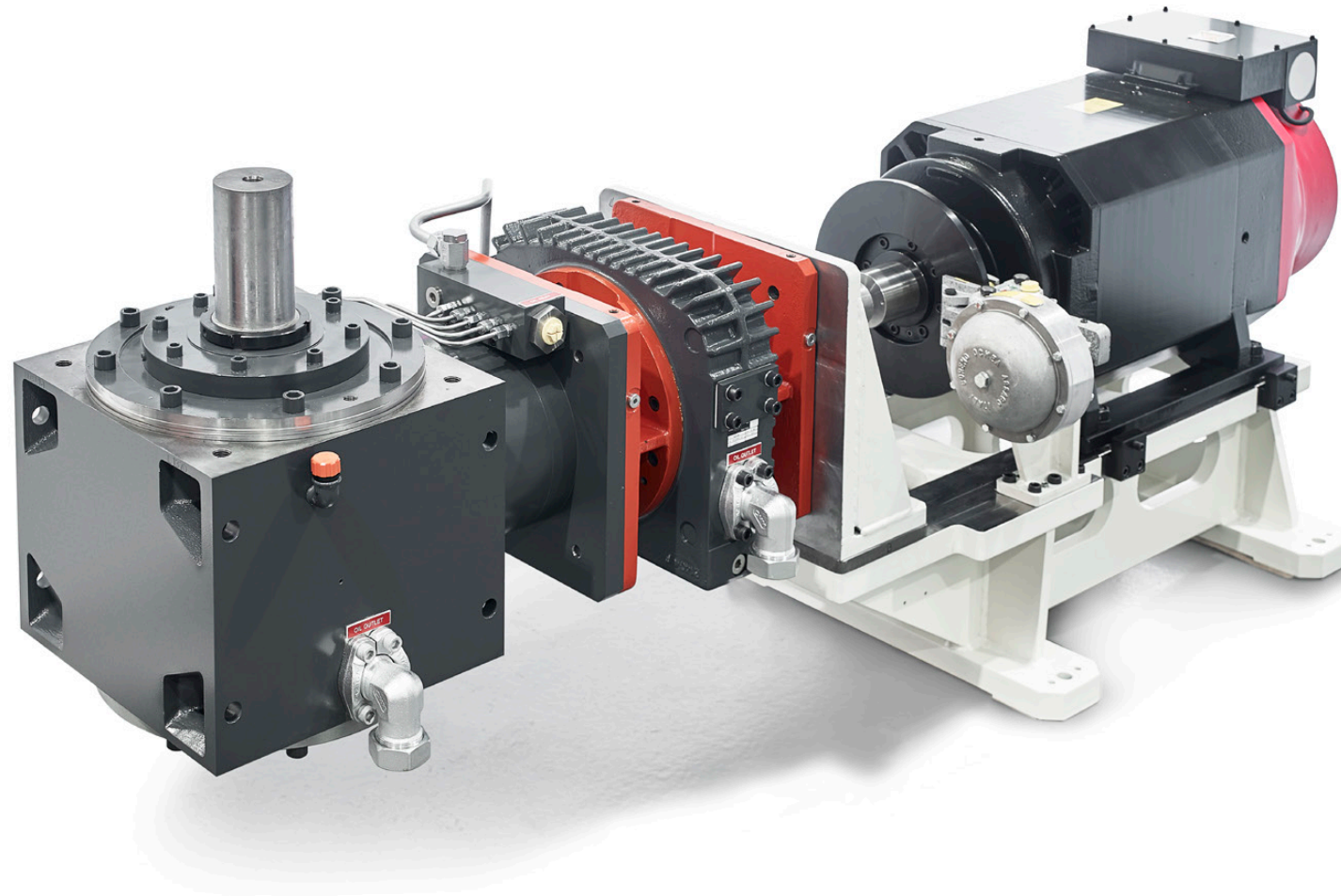
16 Turning tools CAPTO C8

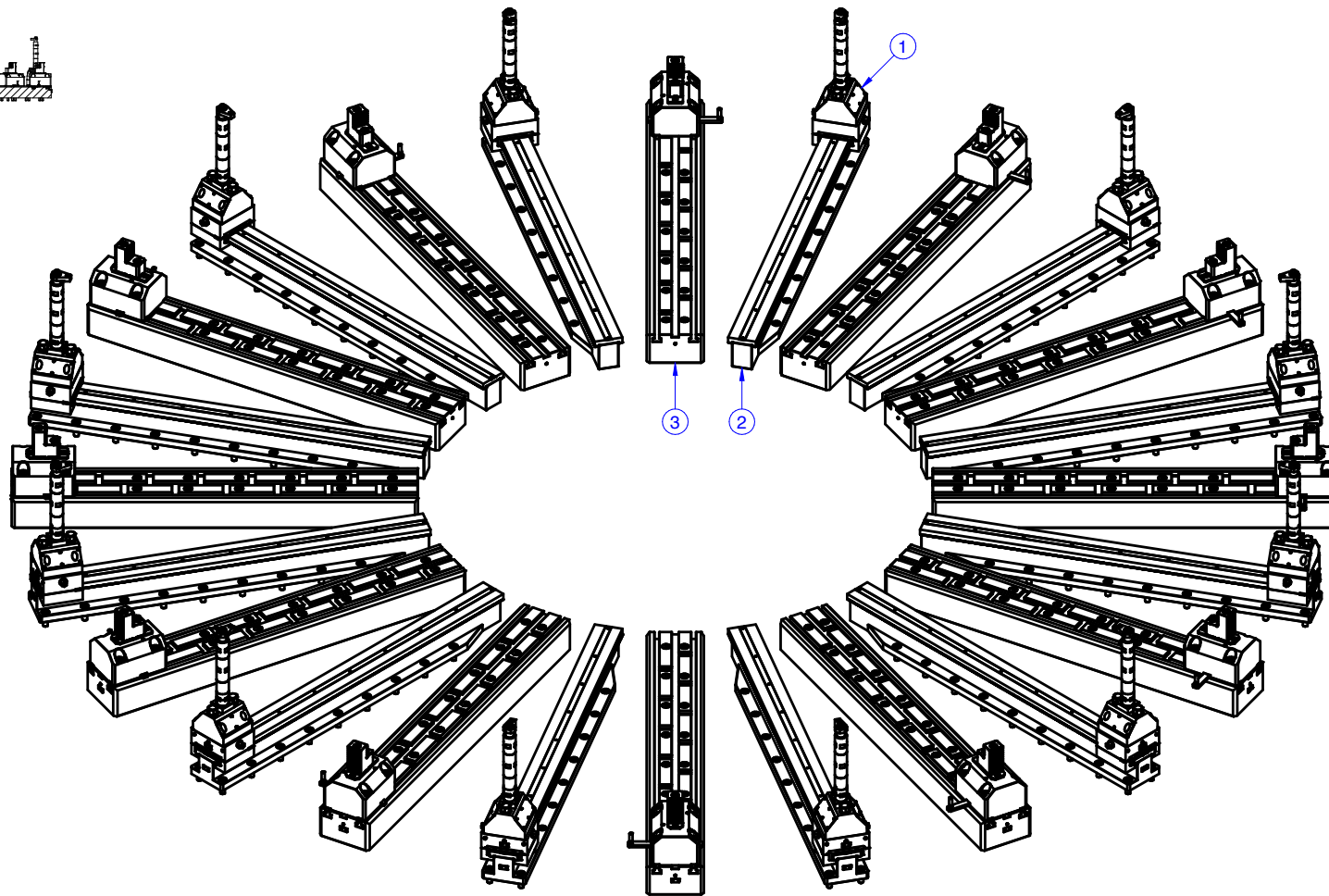
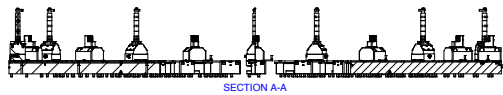


L MODELS • POWER DUAL MOTOR

IBARMIA.

Dual motor
Dual Gear Motor
Dual pinion







HIGH PRECISION AND PRODUCTIVITY
CHIP REMOVAL CAPACITY

1 Tn/hour

2_

DRILLING CENTRES

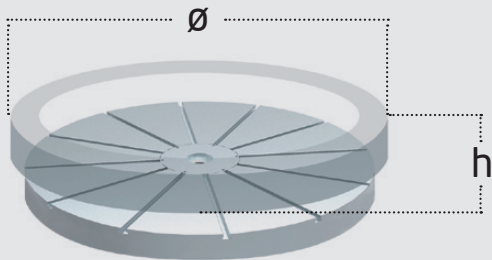
For vertical and horizontal drilling operations
on circular pieces up to $\varnothing 8000$ mm.



P MODELS • DRILLING CENTRES

IBARMIA.

One or two heads in portal structure, for vertical and / or horizontal drilling operations on pieces with a maximum diameter of $\varnothing 8000$ mm.

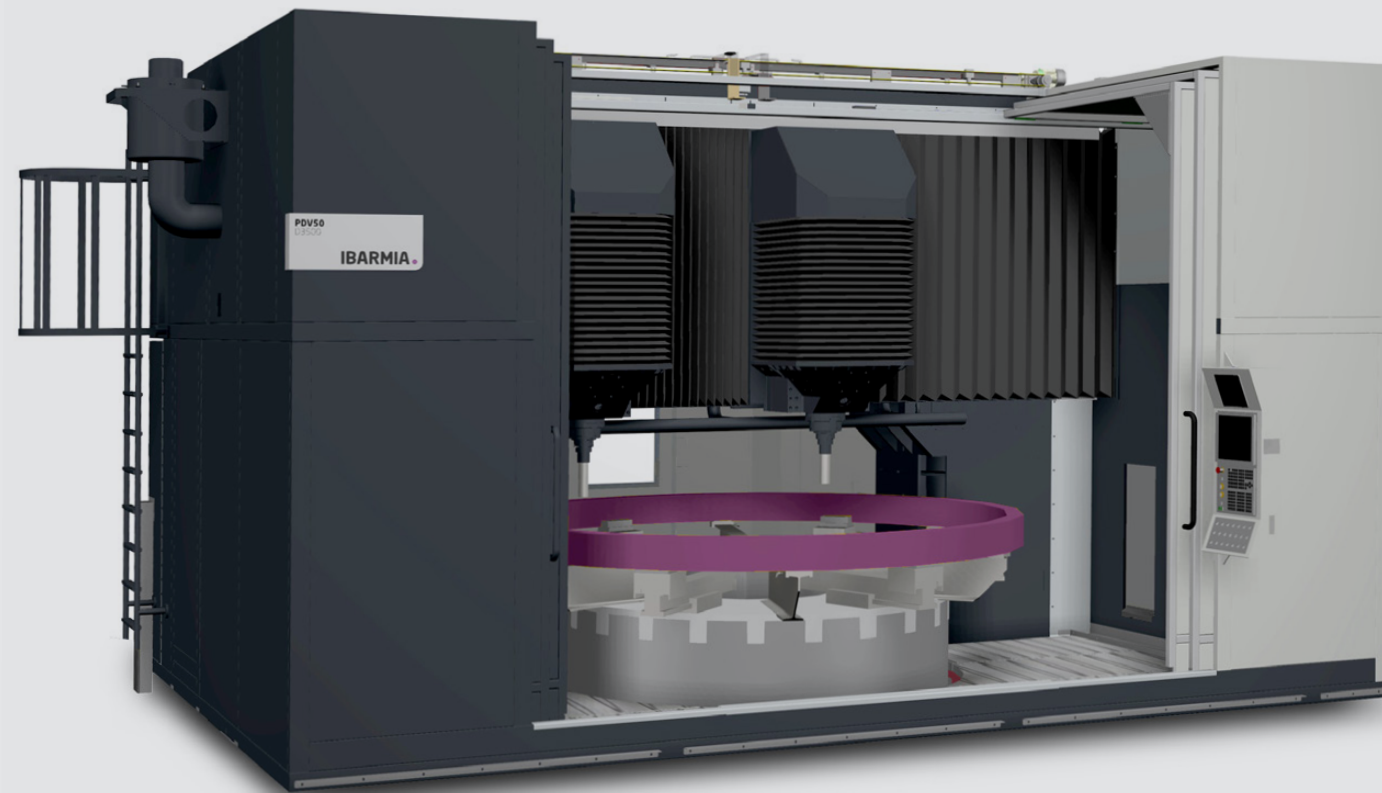


Max. work piece diameter

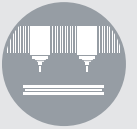
$\varnothing 8.000$ mm

Max. work piece height

600 mm

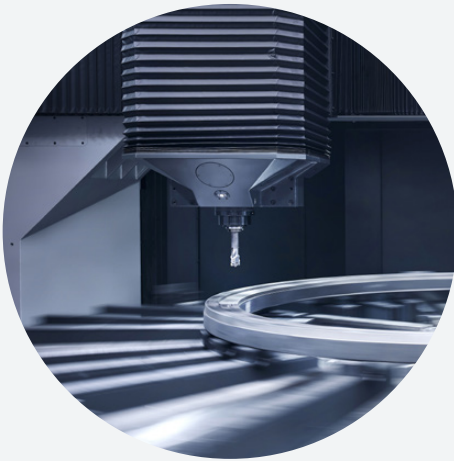


Single
One head



Dual
Double head

Three head models and two types of transmission.



Type V Classic

Vertical head

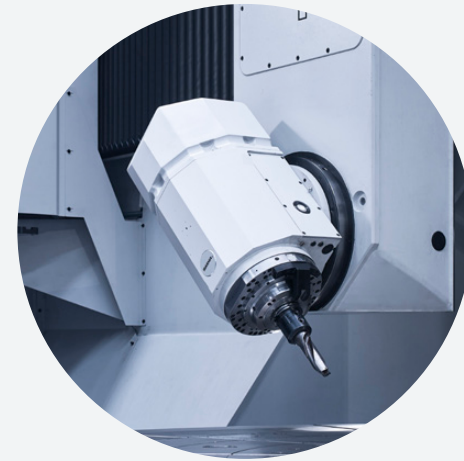
Pulley & Belt



Type V Extreme

Vertical head

Motor spindle



Type H

B axis tilting head

Motor spindle

P MODELS • ROTARY TABLE

IBARMIA.

Drilling and continuous milling table with Hydrostatic design developed by IBARMIA.

Transmission type

2 gears & crown

Drive system

Double motor

Max. speed

Up to 3 rpm

Positioning accuracy

+/- 3"

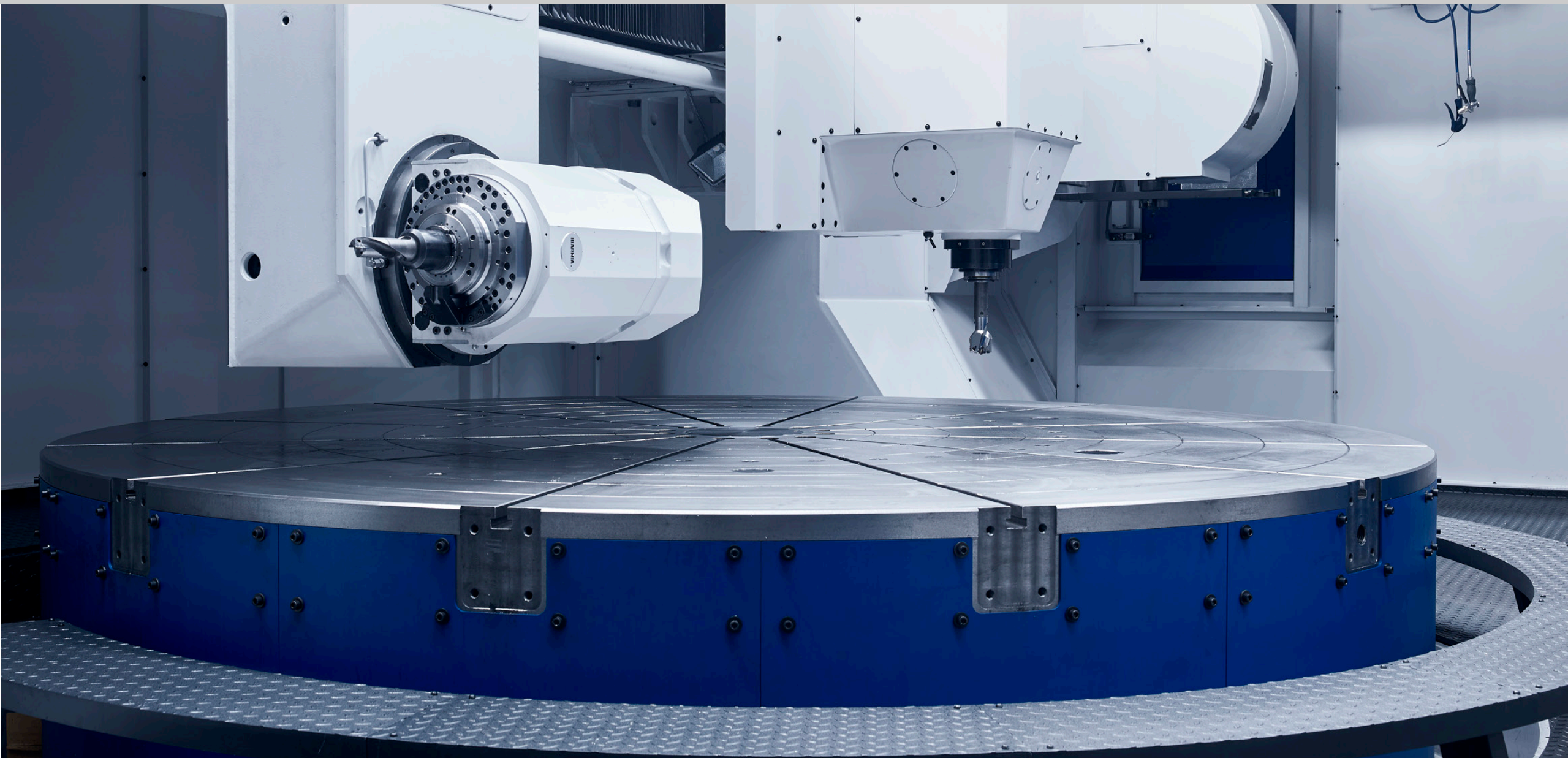
Preload of the gears

Electronic

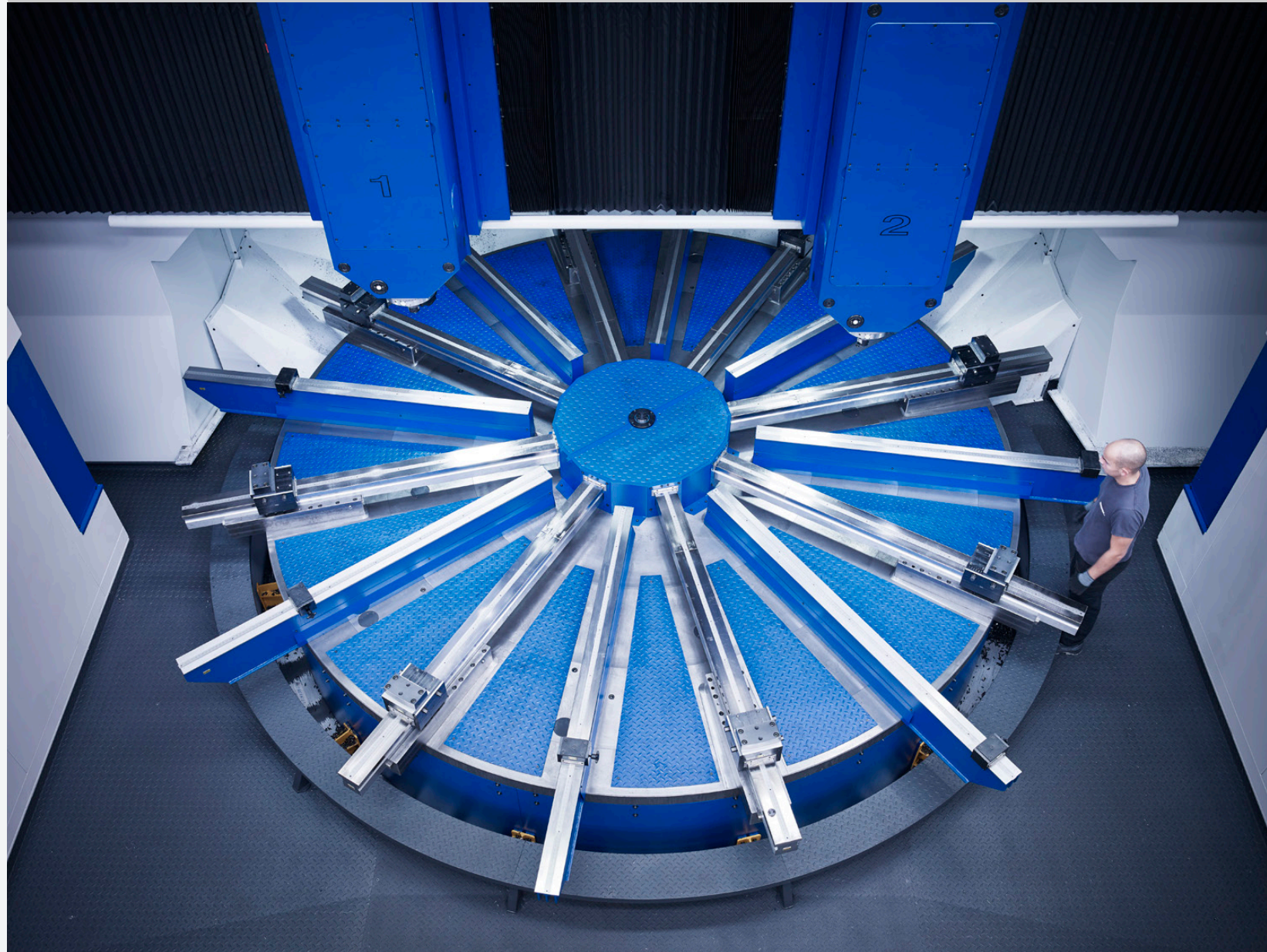


P MODELS • WORKING TABLE

IBARMIA.

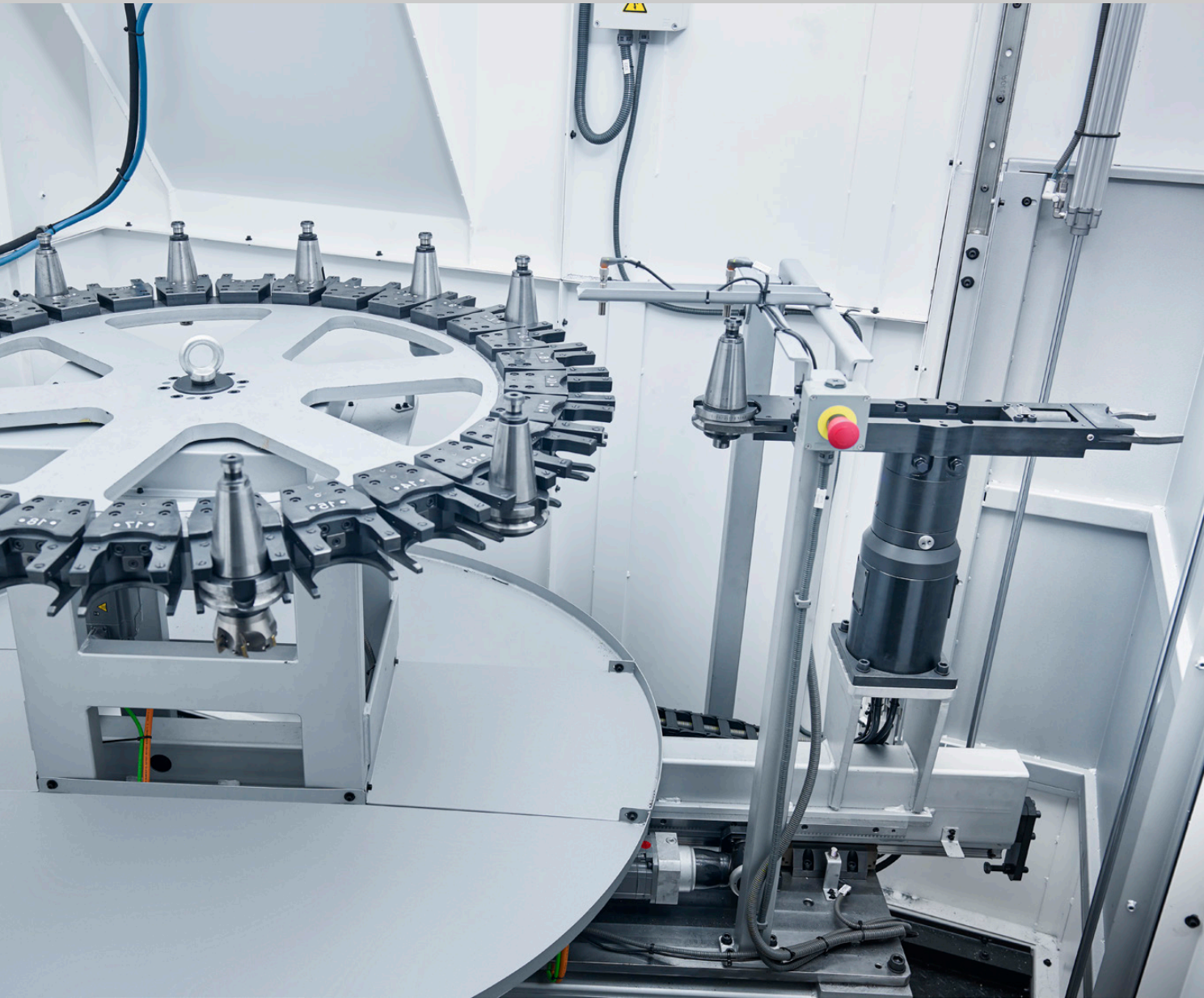


- Automatic self-centering fixtures device.





P MODELS • ATC



IBARMIA.



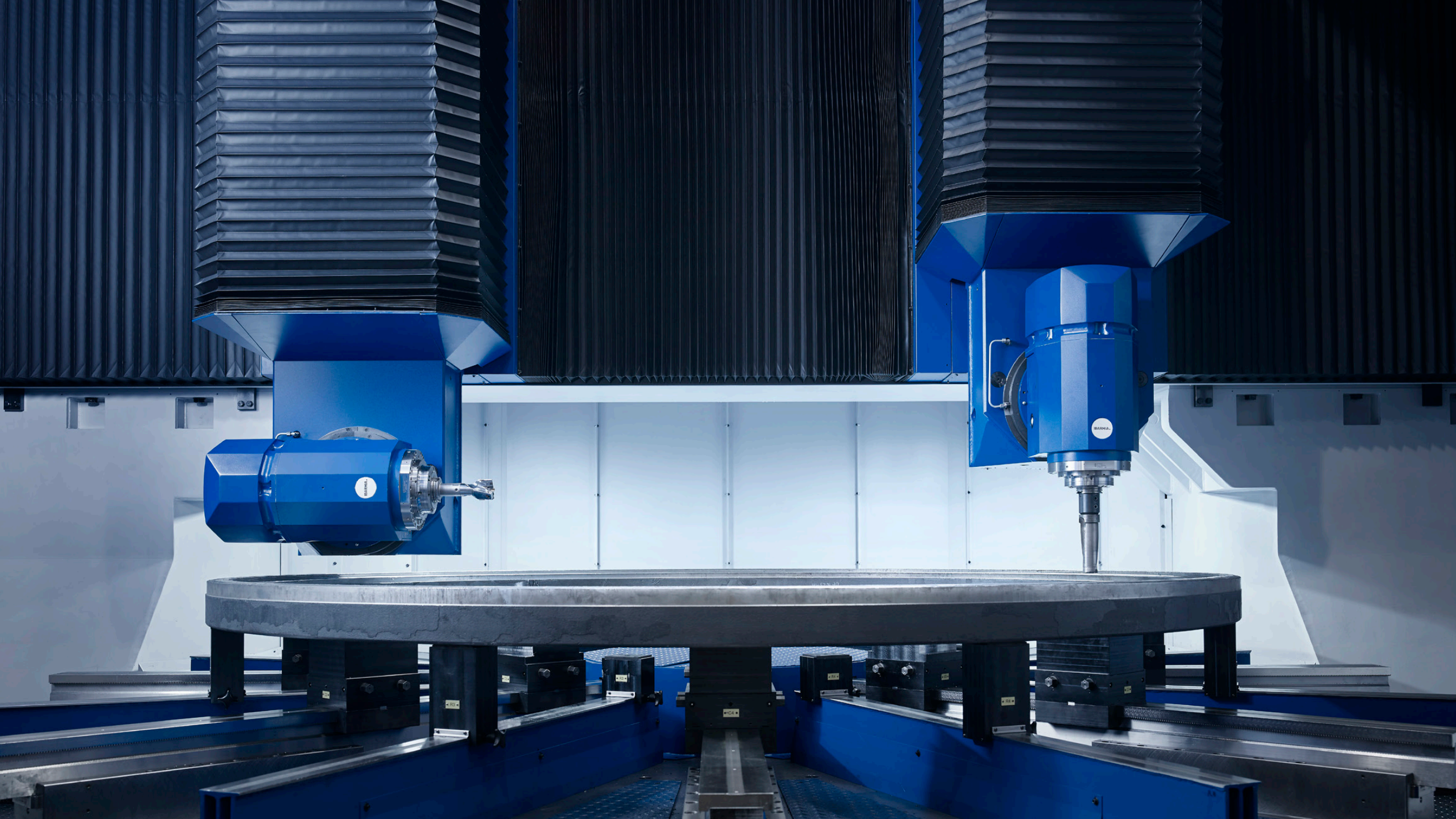
P MODELS • TEST CUTTING

IBARMIA.





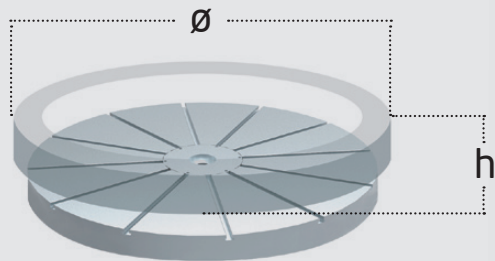




F-S MODELS • DRILLING CENTRES

IBARMIA.

Y axis moving column machines. One or two confronting heads for vertical and / or horizontal drilling operations on pieces with a maximum diameter of $\varnothing 6000$ mm.

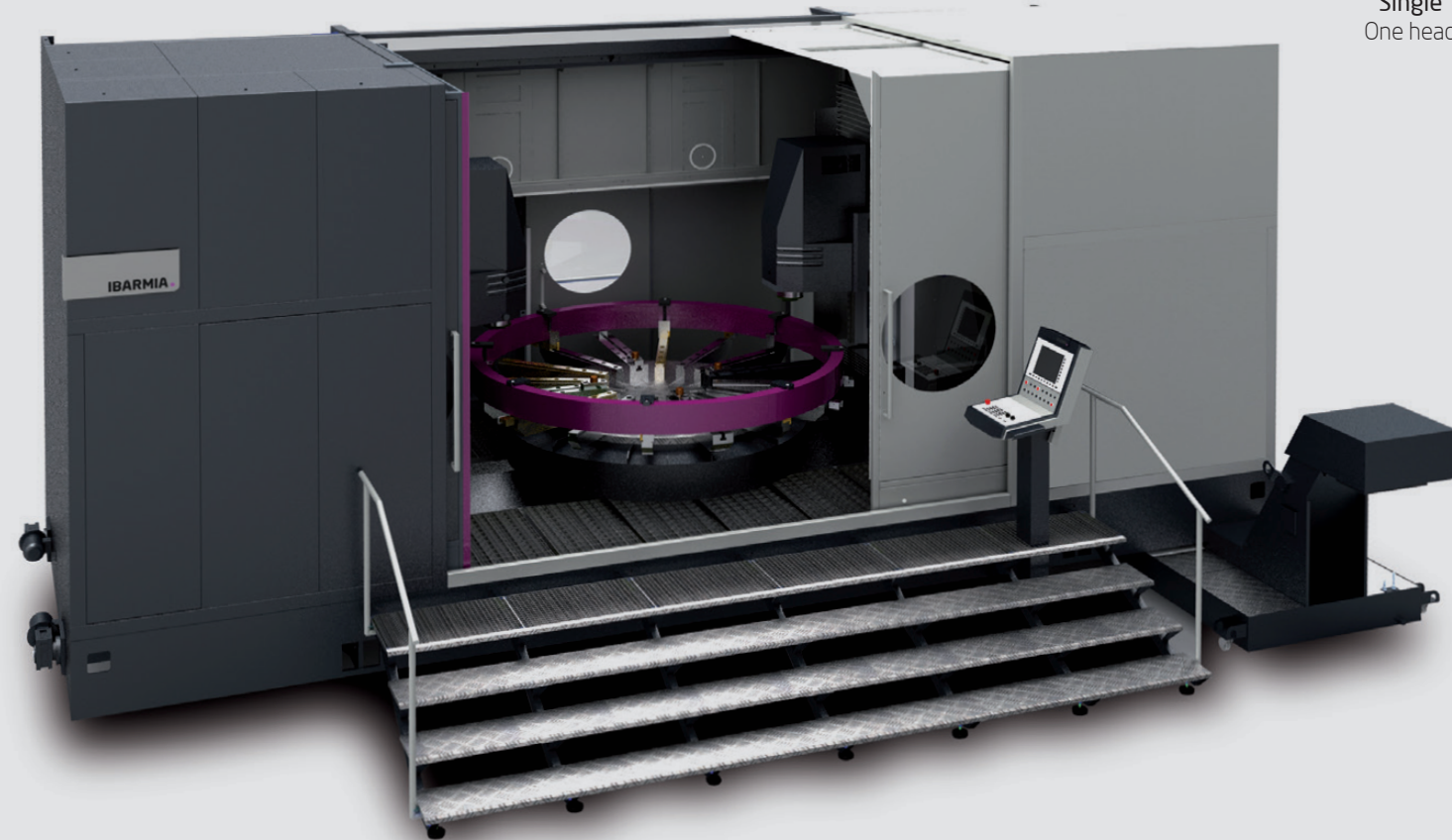


Max. work piece diameter

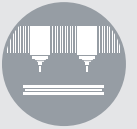
$\varnothing 6.000$ mm

Max. work piece height

350 mm

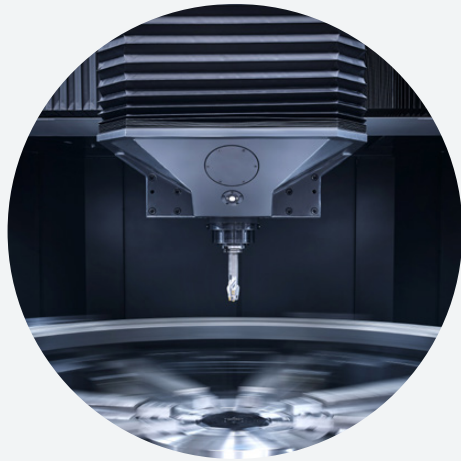


Single
One head



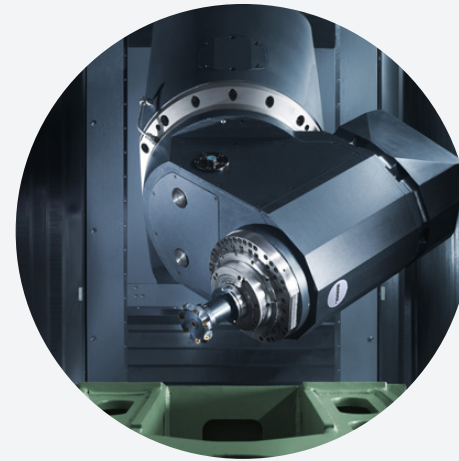
Dual
Double head

Two head models and two types of transmission.



Type V
Vertical head

Pulley & Belt



Type HC
Universal head over 45° plane

Motor spindle

F-S MODELS • WORKING ROTARY TABLE

IBARMIA.

Drilling and continuous milling table with Hydrostatic design developed by IBARMIA.

Transmission type

2 gears & crown

Drive system

Double motor

Max. speed

Up to 3

Positioning accuracy

+/- 3"

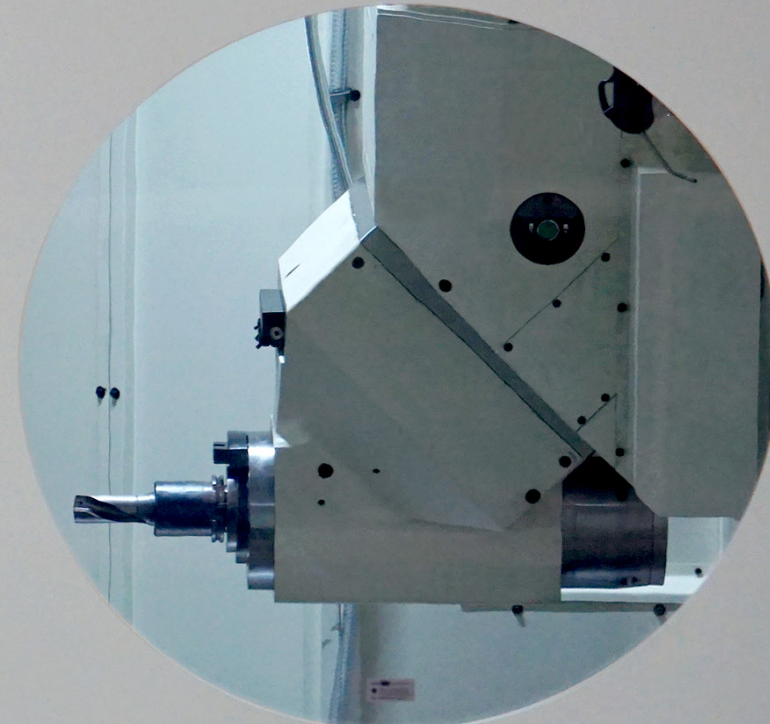
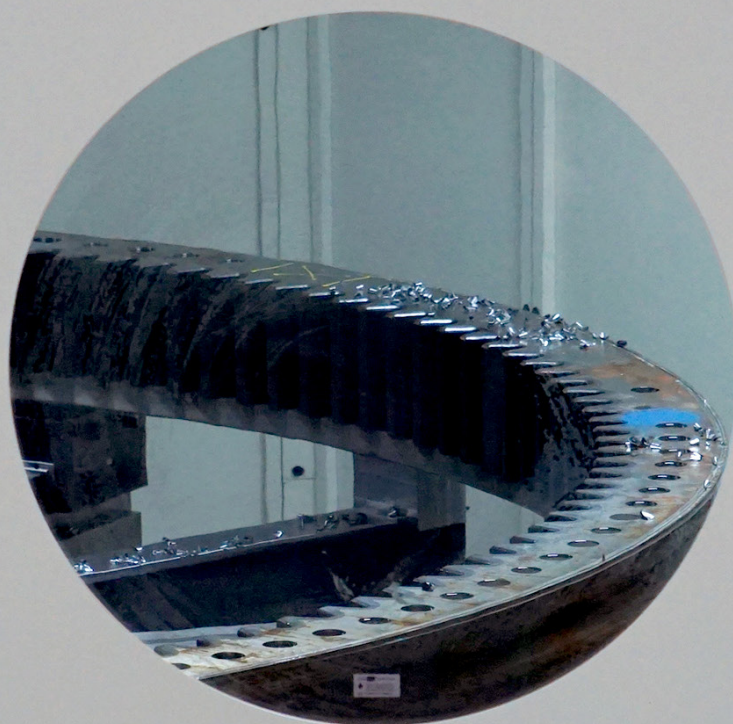
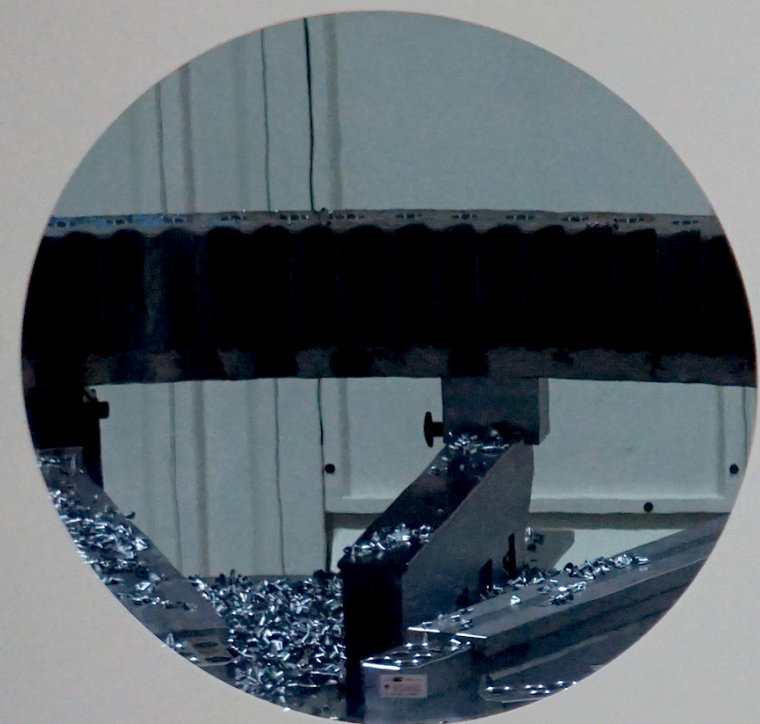
Preload of the gears

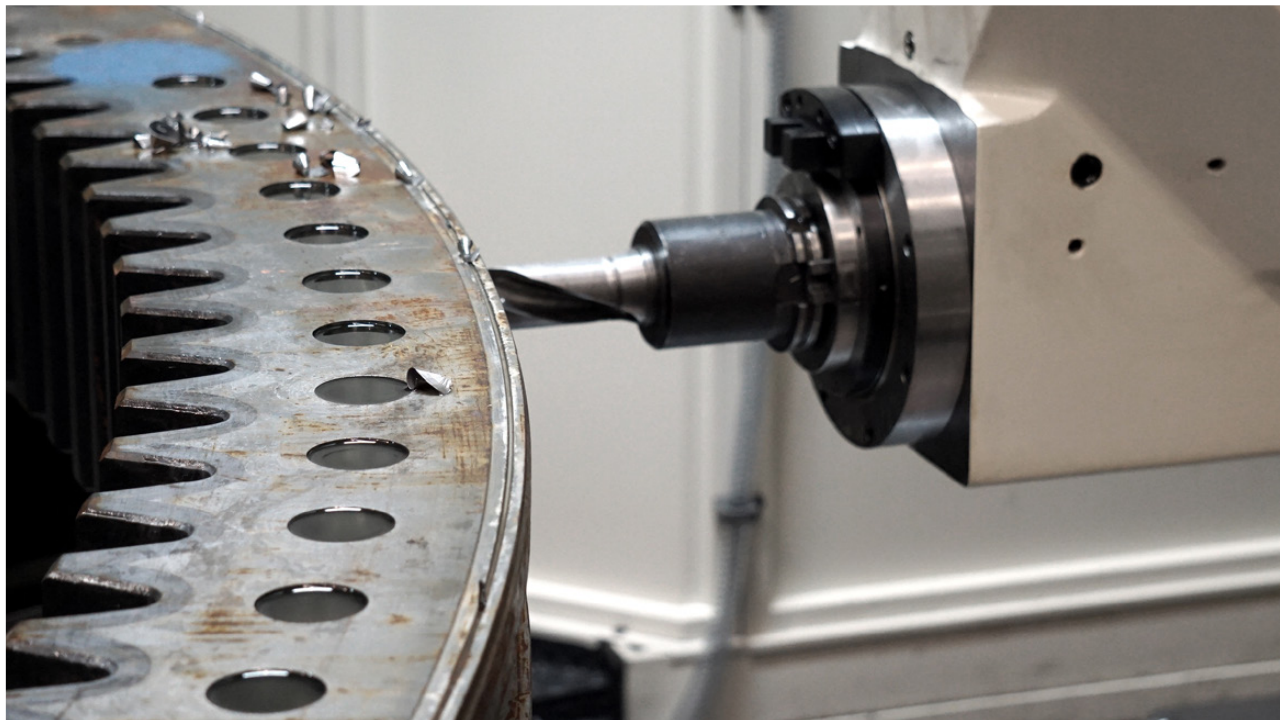
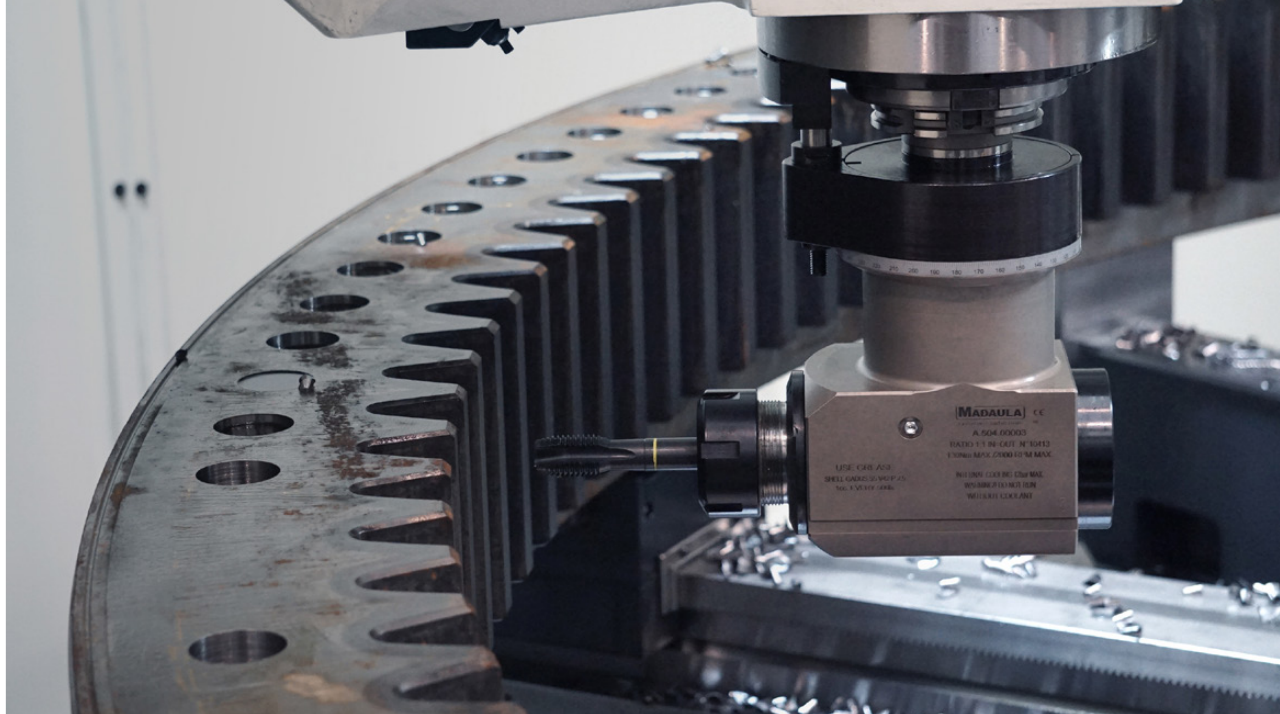
Electronic

Fixture devices

- Manual
- Automatic self-centering







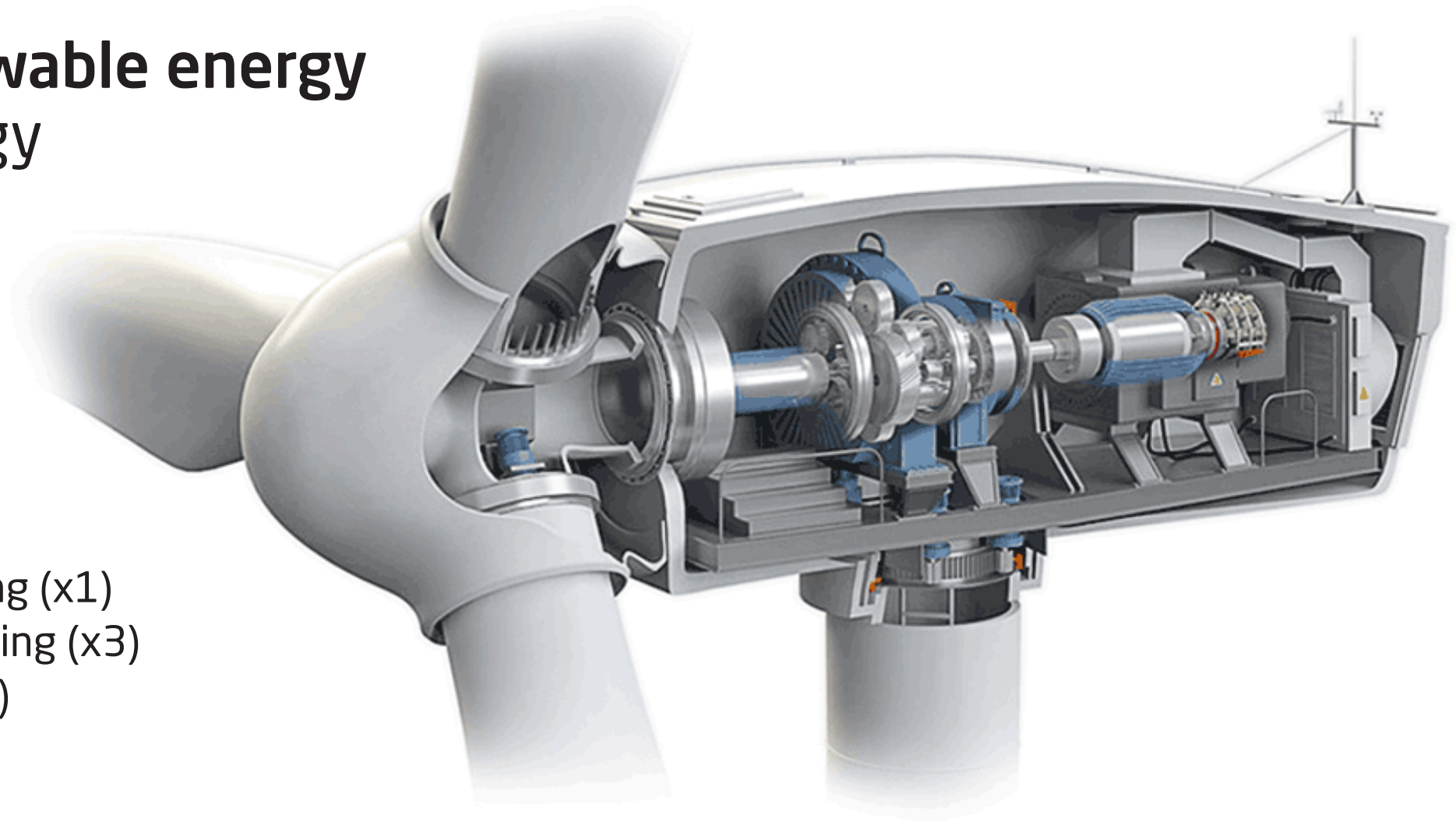
3_

SECTORS

3.1_Renewable energy

Wind energy

Rotor hub bearing (x1)
Blade Pitch bearing (x3)
Yaw bearing (x1)
Flanges



Solar energy



3.2_Construction engineering

Yellow goods



Tunnel engineering



Cranes & Lifting devices



3.3_Oil & gas



3.4_High precision applications

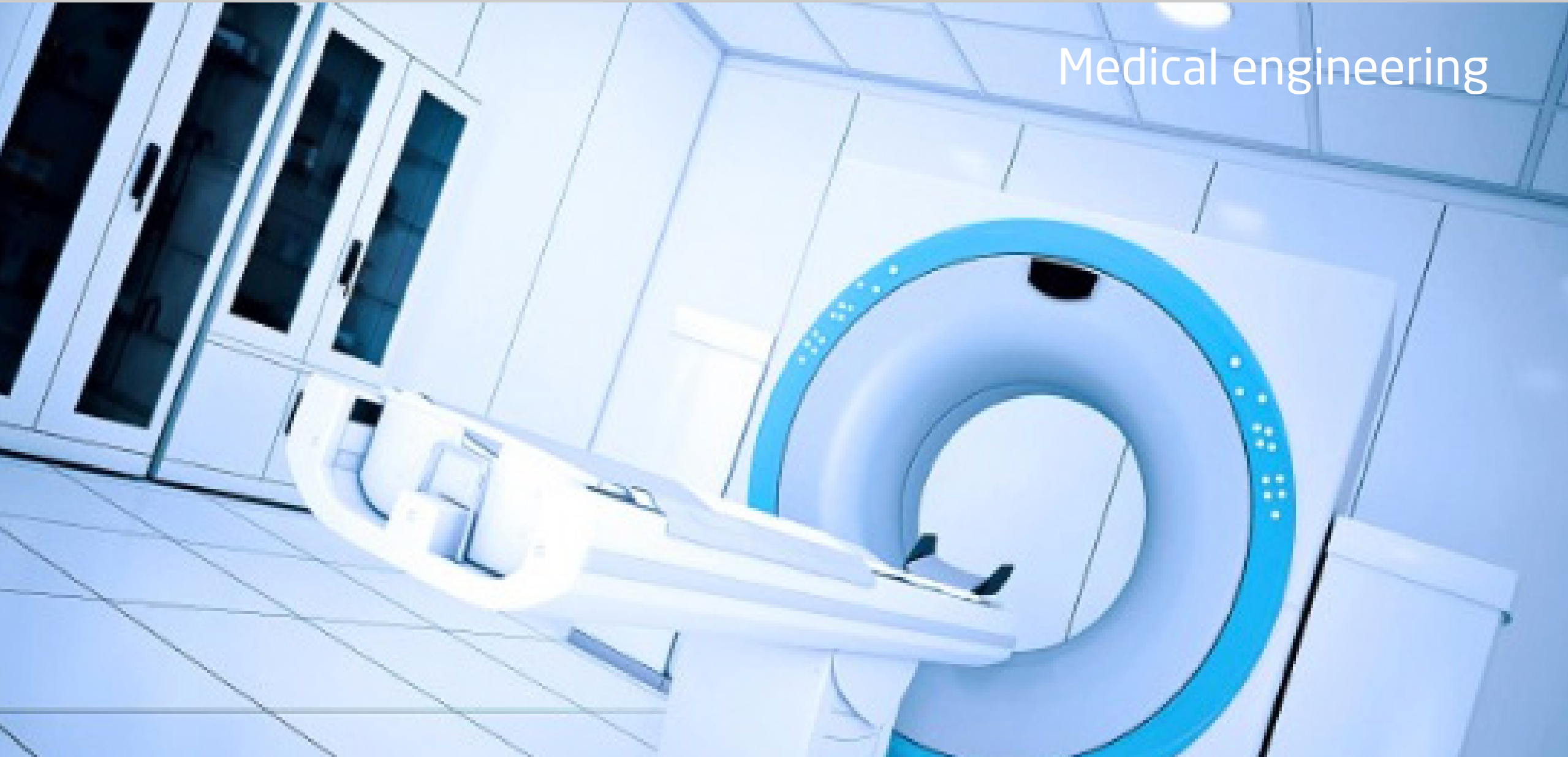
Nuclear engineering



Defense engineering



Medical engineering



Aerospace & Antenne



YOUR
MACHINE
TOOL
POINT

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MACHINING SOLUTIONS FOR LARGE RINGS

Complete range of solutions for machining
large circular pieces up to $\varnothing 8000$ mm.

