



CAZENEUVE

FRENCH MACHINE TOOL MARKET LEADER SINCE 1905.



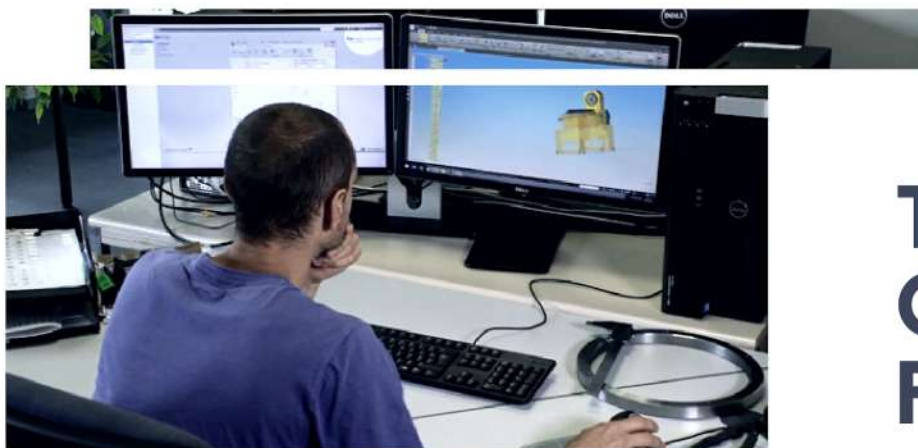
OPTIMAX³
OPTIMAX^{CN}

HORIZONTAL LATHES

CAZENEUVE, THE CHOICE OF RELIABILITY

Since 1905, reliability has been fundamental to CAZENEUVE's choice of fabrication technology and its commitment to the highest quality. Every machine that is delivered bears the hallmark of this business culture which is shared by everyone in the company and recognised by thousands of loyal customers from the smallest business to major industrial groups. CAZENEUVE lathes stand out for their robustness, their precision, their exceptional user-friendliness and their throughput.

FRENCH MANUFACTURER



THE CAZENEUVE PROCESS

DESIGN

CAZENEUVE has adopted an R&D strategy that is dedicated to the continuous improvement of competitiveness, productivity and ease of use. This strategy relies on its multidisciplinary engineering team (materials science, styling, state-of-the-art software development and mechanical design), its practical experience of machining and its close contact with its customers.



FABRICATION

The lathes are made in the CAZENEUVE workshops in Pont-Evêque (Isère, France). The bed is made from a single cast unit with the ways machined into the faces, hardened and surface ground to ensure that the structure is rigid and remains stable for the whole life time of the machine. Efficient organisation of the factory ensures total control over all the fabrication processes such as fitting hand scraping, assembly, wiring, inspection and testing.



CUSTOMER SERVICE

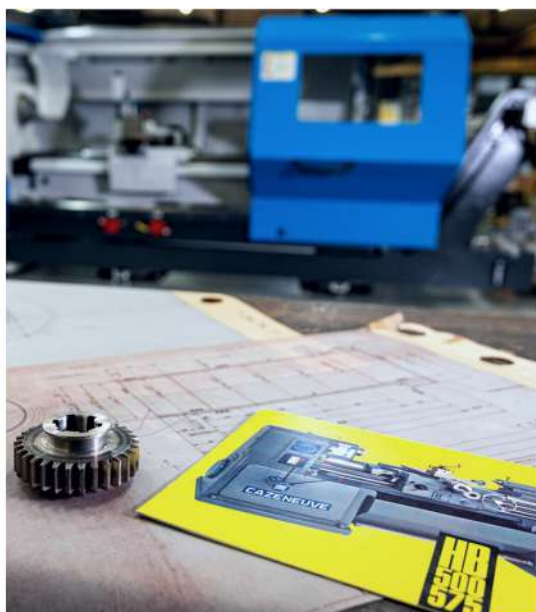
CAZENEUVE supports customers, wherever that may be, before, during or after purchase.

Appropriate solutions for the throughput and projected growth of each customer: new machines, rebuilding machines, upgrading existing machines, custom modifications, etc.

Personal service: continuity and availability of sales engineers, who know their business and are out in the field.

Extended service: technical support, training, troubleshooting and on site repairs.

Long-term service: the after sales service can provide spare parts for machines designed more than 40 years ago, confirming that CAZENEUVE lathes are built to last.



THE OPTIMAX³ INTERFACE

« INTUITIVE MACHINING »

CAZENEUVE'S extensive R&D into ergonomics, productivity and safety has created a new concept of modern lathework that is easy and efficient!

- Clear and modern ergonomic control panel with a large multi-touch screen;
- 3D graphic simulation with pre-process and in-process time lapse;
- Fast and intuitive learning curve;
- Shorter setup time;
- Safe-zone management;
- Maintenance chart with reminders;
- Power consumption analysis;
- Simulator for PC;
- Remote maintenance.

3 machining options:

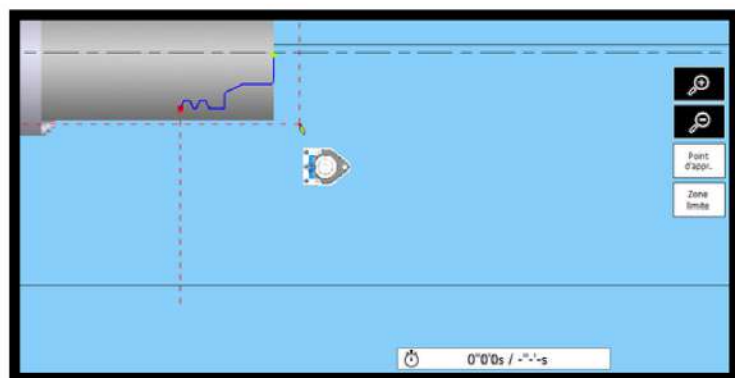
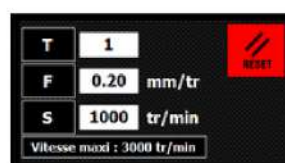
- Open-door machining in manual mode;
- Automatic machining using basic pre-set cycles (turning and milling) and features unique to CAZENEUVE;
- Range machining via interactive programming.



REAL-TIME GRAPHICAL SIMULATION

INFORMATION

CUTTING CONDITIONS



MACHINING DATA



FUNCTION SELECTION



OPERATOR/PRACTICAL

THE OPTIMAX^{CN} INTERFACE

« NC MACHINING MADE ACCESSIBLE »

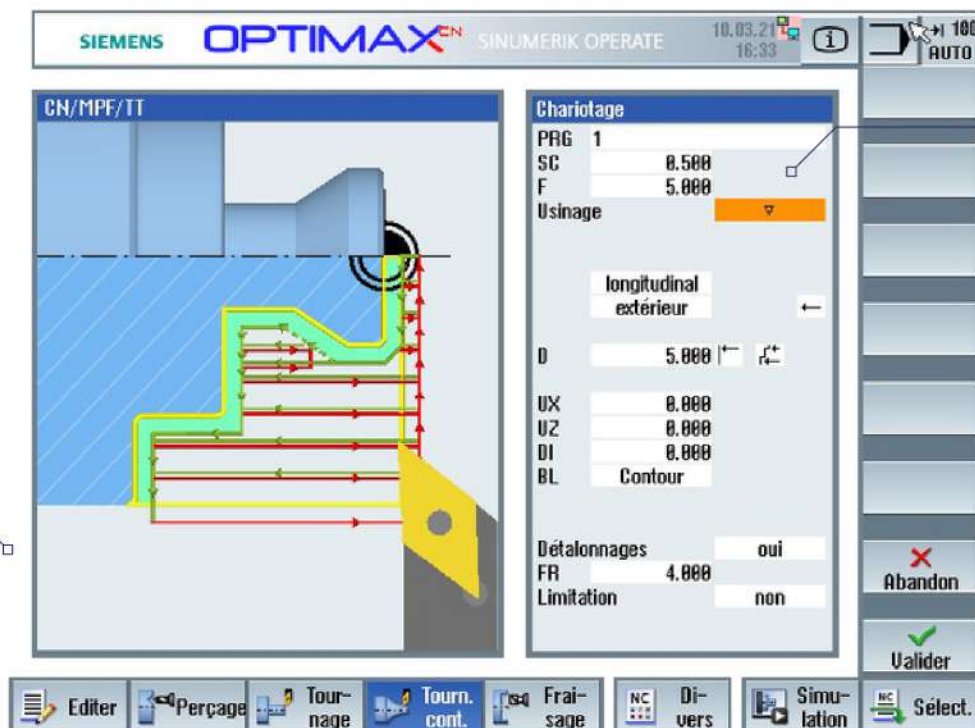
CAZENEUVE offers a standardised, function-based solution for easier and safer machining operations via an interface that is already used worldwide.

- Large touch screen or LCD screen + keypad;
- ShopTurn or ISO interactive programming;
- Pre-set turning and milling cycles;
- Open-door "Adjustment" mode;
- 3D pre-process and in-process graphic simulation;
- SINUTRAIN simulation software for PC;
- Remote maintenance;
- Fast performance;
- Data connectivity and extraction;
- Programming knowledge recommended.



PRACTICAL INFORMATION

GRAPHIC SIMULATION



DATA

MODES & SIMULATION

ACCESS TO MACHINING CYCLES

BLANK & MISCELLANEOUS



OPTIMAX 360

A compact and accurate machine.

Designed and developed to satisfy an extensive range of professionals.

Through its size, its robustness and its characteristics, this lathe will fit into your workshops, as a long-term addition.

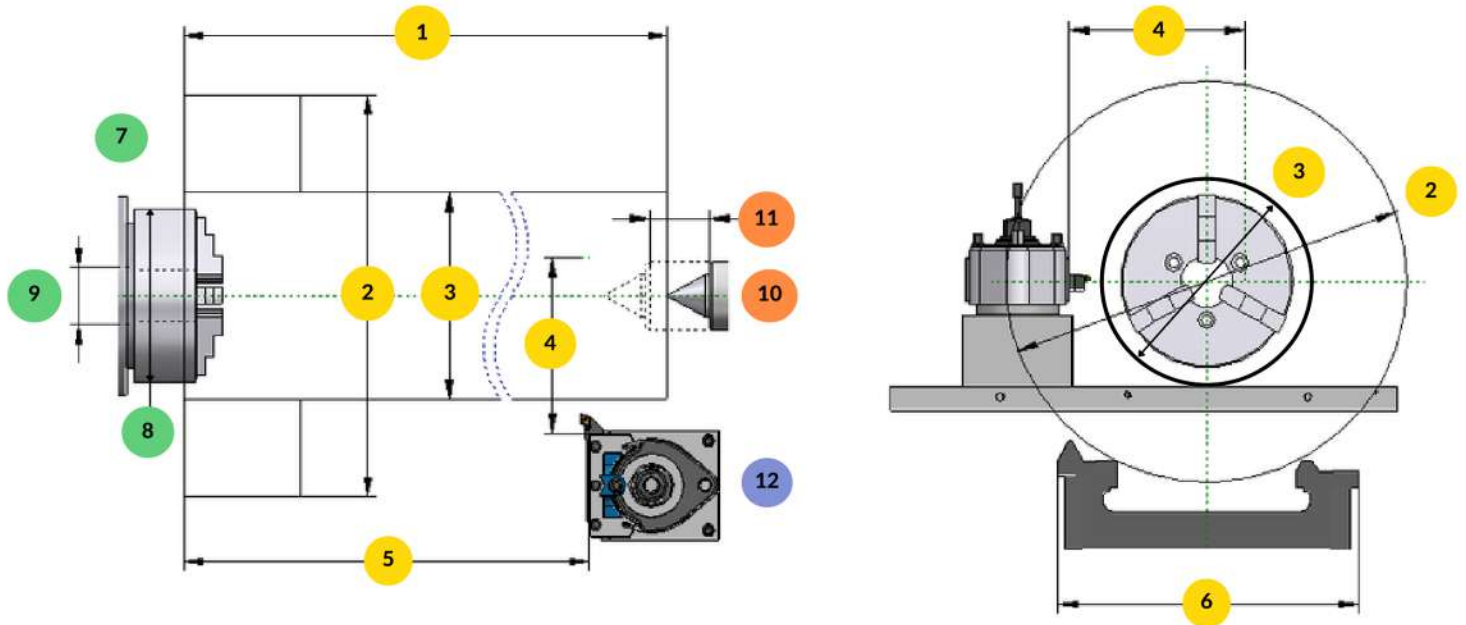
Compact and offering the operator an optimum working environment, this lathe is ideal for creating your tools, unit parts, prototypes and small-size repairs.

The French machining lathe par excellence, both modern and precise, with a world-renowned robustness.



TECHNICAL CHARACTERISTICS

OPTIMAX 360



Bed, carriage

1	Distance between centres	700 mm
2	Swing over bed	390 mm
3	Swing over cross slide	200 mm
4	Carriage X axis travel	180 mm
5	Z axis travel	610 mm
6	Bed width	330 mm

Spindle

7	Nose type, speed	A1 6" 3500 rpm
8	Chuck diameter	200 mm
9	Spindle bore	54 mm

Tailstock

10	Quill diameter and taper	60 mm, CM4
11	Quill travel	140 mm

Tool holder

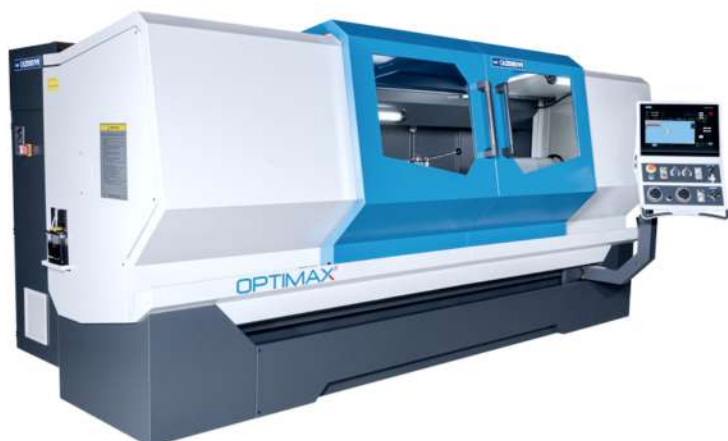
12	Turret, tool size	Manual, 20 x 20 mm
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Overall dimensions

Length	2600 mm
Width	1950 mm
Height	1680 mm
Weight	2000 kg



OPTIMAX 590



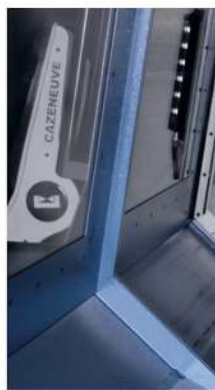
The versatile, modern and robust lathe.

Ergonomic and maximum working environment for this machine range, a descendant of the conventional HB 575 lathes.

For the operator, access to the machine and the space inside the cabin aids the setting up and machining of small- and medium-sized parts.

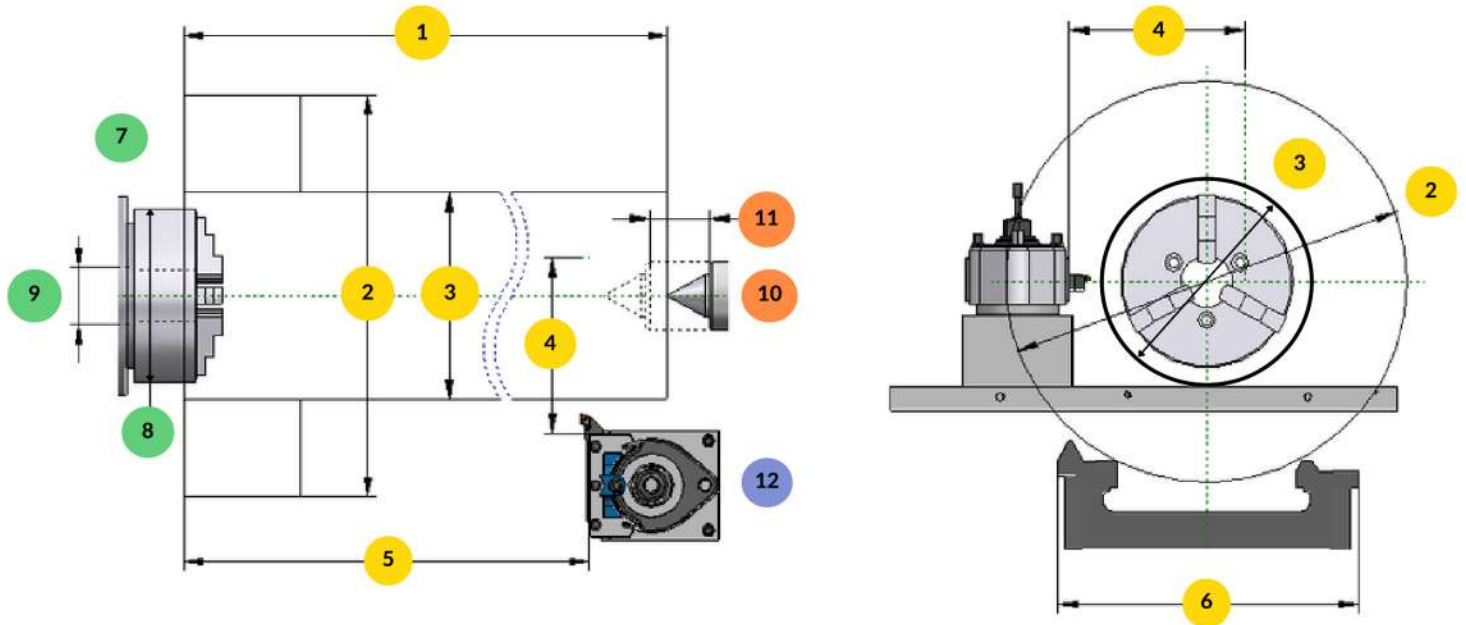
Several LED lights provide excellent visibility and precision work over the entire distance between centres.

The versatile machining lathe combines the modernity and robustness of highly-accurate mechanics, with a reputation worldwide.



TECHNICAL CHARACTERISTICS

OPTIMAX 590



Bed, carriage

1	Distance between centres	1100 / 1800 mm
2	Swing over bed	583 mm
3	Swing over cross slide	300 mm
4	Carriage X axis travel	285 mm
5	Z axis travel	950 / 1710 mm
6	Bed width	440 mm

Spindle

7	Nose type, speed	A1 8" 3000 rpm
8	Chuck diameter	250 mm
9	Spindle bore	82 mm

Tailstock

10	Quill diameter and taper	100 mm, CM5
11	Quill travel	235 mm

Tool holder

12	Turret, tool size	Manual, 25 x 25 mm
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Overall dimensions

Length	3200 / 3960 mm
Width	2005 mm
Height	1840 mm
Weight	2700 / 3000 kg



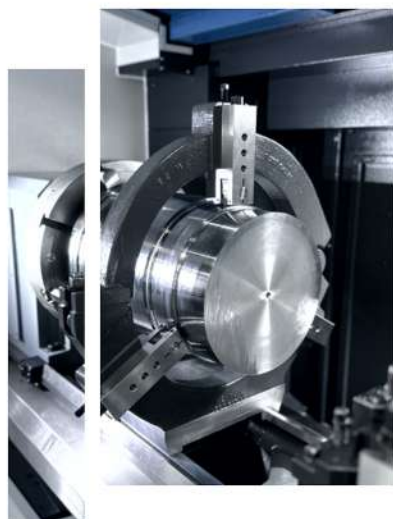
OPTIMAX 740

Power and robustness for precision machining, even on long workpieces.

Range of lathes for machining long parts (up to 4 metres).

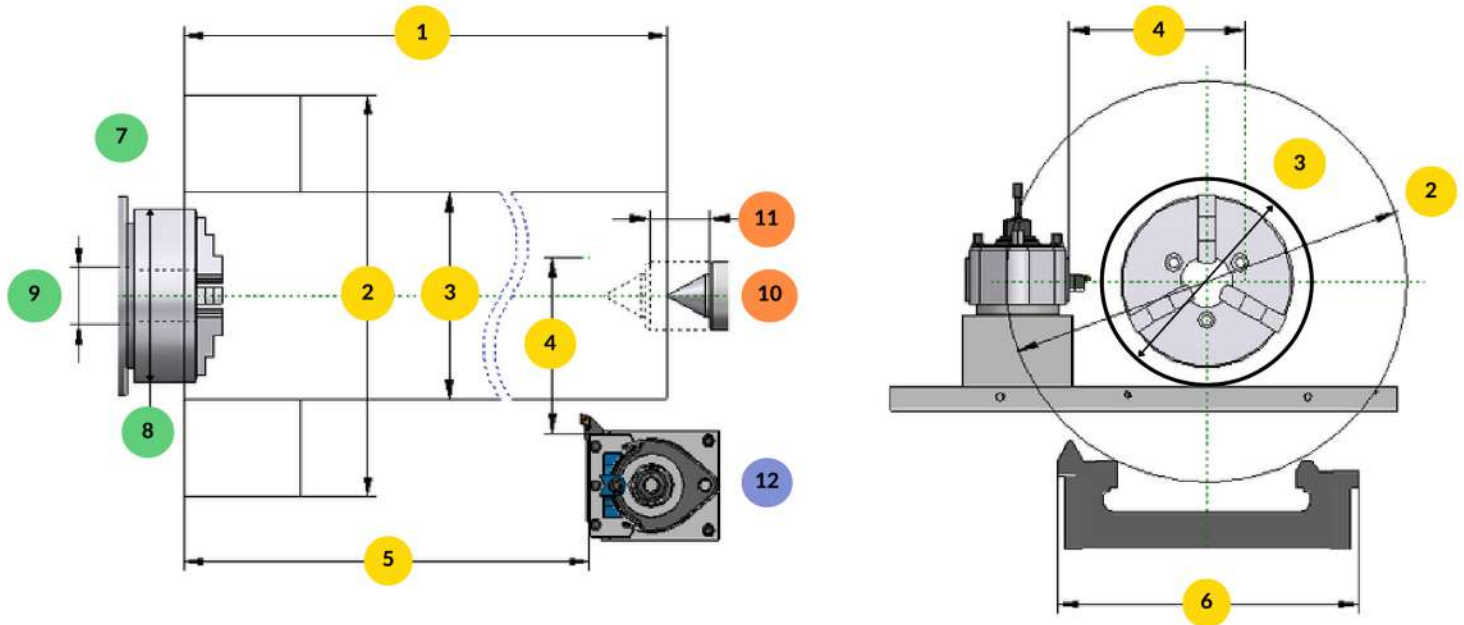
Available in 2 or 3 axes, this lathe provides the operator with full comfort for simplified and superior quality machining, including on long parts.

The precision and the robustness of the lathe are ensured by its wide hardened and ground bed as well as by its optimised guidance.



TECHNICAL CHARACTERISTICS

OPTIMAX 740



Bed, carriage

Spindle

Tailstock

Tool holder

Overall dimensions

1	Distance between centres	2000 / 3000 / 4000 mm
2	Swing over bed	740 mm
3	Swing over cross slide	460 mm
4	Carriage X axis travel	400 mm
5	Z axis travel	2000 / 3000 / 4000 mm
6	Bed width	440 mm
7	Nose type, speed	A2 8" 2300 rpm
8	Chuck diameter	315 mm
9	Spindle bore	105 mm
10	Quill diameter and taper	100 mm, CM5
11	Quill travel	235 mm
12	Turret, tool size	Manual, 25 x 25 mm / 32 x 32 mm
Length		4800 / 5800 / 6800 mm
Width		2300 mm
Height		2150 mm
Weight		5000 / 6000 / 7000 kg

OUR MACHINE TOOL RANGE

HORIZONTAL LATHES

Numerically assisted lathes

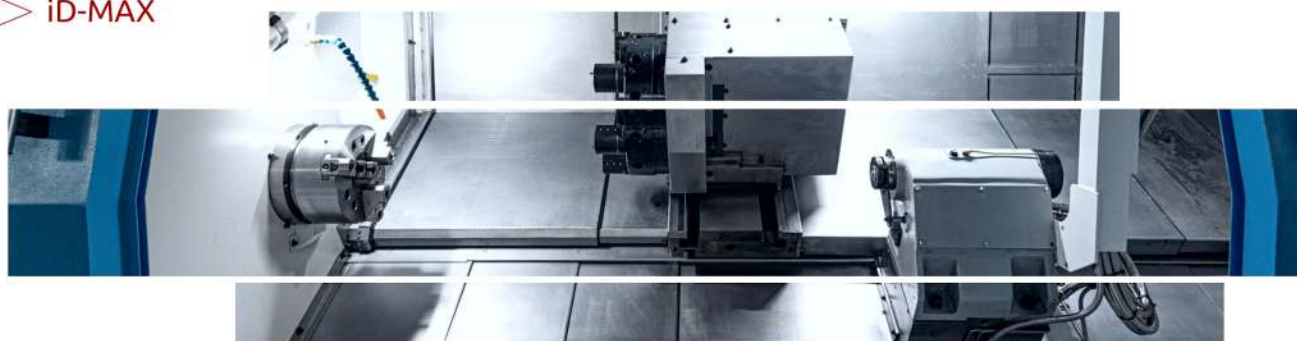
▷ OPTIMAX



INCLINED BED LATHES

Production lathes

▷ iD-MAX



MILLING MACHINE

Machining centres

▷ XENON

