

French machine tool market leader for more than 110 years



Horizontal lathes

Intuitively controlled manual lathes

OPTICA





CNC assisted lathes





CNC lathes





CAZENEUVE, the standard for reliability



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 userfriendliness and their throughput.





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.



Engineering office

FABRICATION

The lathes are made in the CAZENEUVE workshops in Pont-Evêque (France). The bed is made from a single cast block with the ways machined in the mass, 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 workshops ensures total control over all the fabrication processes such as fitting using hand scraping, assembly, wiring, inspections and testing.



CUSTOMER SERVICE

CAZENEUVE advises customers, wherever they may be, before, during and 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, 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



Setting up the machine



A solution for every requirement

CAZENEUVE helps you make the right choice

Basic knowledge of lathe work, little experience Operator skills Experienced in lathe work with or without understanding of CNC machining Experienced in lathe work with knowledge of CNC programming One offs Type One offs and small runs (<50 parts) of production Small and medium runs (<250 parts) Perimeter guards with: Perimeter guards with: • machining with the doors open in "manual", "straight turning" or "thread" modes • the doors open in setup mode Machine configuration • Rail-mounted sliding control panel adjustable in height • Visualisation and programming on a large 19" touch • SIEMENS SHOP TURN screens and control panels Manual machining with electronic hand wheel or joystick Constant cutting speed Constant cutting speed whatever the mode • Indexed spindle with continuous hold • Indexed spindle with continuous hold Setting and storing the properties • Storing the features of tools, workpieces and any machining operation of 99 different tools Simulation whatever the mide **Features** • Machining simple parts with • Basic functions for multi-pass manual or semi-automatic machining: electronic hand wheels in setup mode straight turning, thread cutting, groove cutting, thread repairs • Interactive programming: thread • Drawing mode with rough and final machining cutting, groove cutting, rough cut / • Saving drawings on USB memory stick or Ethernet storage finishing, drawing mode, thread repairs Accepts dxf format drawings (CAD software available) • Saving programs for complete parts • Drawings can be prepared on a PC (OPTICA Draw as an option) on USB memory stick or Ethernet • Remote maintenance (option) storage Graphic simulation before · Automatic multi-pass machining and during machining cycles: thread cutting, groove cutting, Accepts dxf format drawings drilling, rigid tapping (CAD software available) • Creating and saving programs • C-axis with milling cycles for complete parts (program mode (option for 660+ machines) option) • CNC simulator for PC (option) Graphic simulation before • Remote maintenance (option) and during machining.



CAZENEUVE machines include the most recent technological developments to ensure a high level of operating safety:

- Stringent safety requirements from the design stage
- SAFETY PLC for maximum protection
- Machine risk analysis: electrical, mechanical and electronic safety
- Conforms to Machinery Directive 2006/42/EC

Machining made easy

CAZENEUVE has carried out an in-depth R&D programme to maximise ergonomics, productivity and safety and now offers three innovative solutions for machining easily and safely.

OPTICA and OPTIMAX interfaces

CAZENEUVE has brought manual machining into the 21st century, making it simple and efficient

- Short learning curve
- Very fast setup

- Standardisation of advanced operations: parallel, face, taper, radius, fillet and bevel machining
- Thread cutting and thread repair faster than a standard manual lathe
- Modern and easy to use with a large 19" touch screen
- Real-time 2D and 3D simulation of the part during machining





Stops mode



Workpiece definition



Thread mode



Profile mode



Groove mode



Cutoff mode



Drilling mode



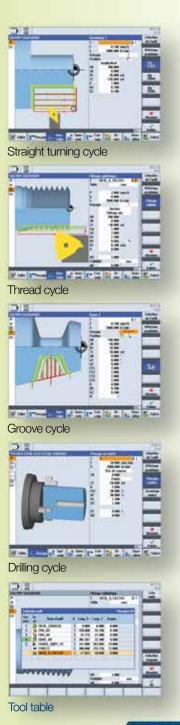
Program mode

OPTIMAX CN interface

Advanced machining for everyone!

- Programs for simple or complex cycles
- Milling (option for 660 CN machines)
- Interactive or ISO programming
- Thread repairing
- 3D graphic simulation of parts, before and during machining





360 lathes





Weight





		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
0	Nose type, speed	A1 6" 3000 rpm
8	Chuck diameter	200 mm
9	Spindle bore	54 mm
10	Quill diameter and taper	60 mm, MT4
0	Quill travel	140 mm
12	Turret, tool size	Multifix B, 20 x 20 mm
Overall dimensions	Length	2000 mm
	Width	1575 mm
	Height	1542 mm
	2 3 4 5 6 7 8 8 9	2 Swing over bed 3 Swing over cross slide 4 Carriage X axis travel 5 Z axis travel 6 Bed width 7 Nose type, speed 8 Chuck diameter 9 Spindle bore 10 Quill diameter and taper 11 Quill travel 12 Turret, tool size Length Width

2000 kg

