



AGM 620/625 CNC
AGM 635/642 CNC



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Autor Machine is glad to introduce you to its new product range of AUTOR AGM numeric control automatic multispindle lathes.

This new product line of lathes represents a great innovation as it combines the speed and the efficiency of the multispindle cam lathes and the flexibility and the set up speed of the modern CNC multispindle lathes.

The development of the new attachments, machine options and macro software greatly increase the number of operations that the lathes will be able to perform and the types of material that will be possible to work on.

**Flexibility
and precision**

**Easy and
fast set up**

**Short working
cycles**

**Small initial
investment and
maintenance
costs**

**"Industria 4.0"
program**



Operator control panel



Portable panel

CNC

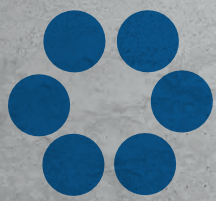
Flexium 68 Plus

- 15" color display with touch screen
- ISO Programming
- Base Windows10 Operating System
- Possibility to manage up to 64 axis
- Small portable control panel
- Archive memory SSD 32 GB
- Ethernet-Internet connection
- Remote helpdesk
- Possibility to connect to Industria 4.0 with OPCUA library

**Chip breaker
Macro software**

**Macro car
threading**

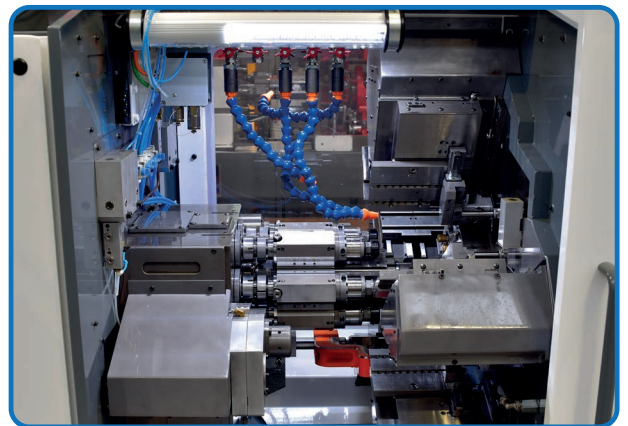
**Asynchronous
management
of the axis**



AUTOR



Work zone 1-2



Rear side work zone Z

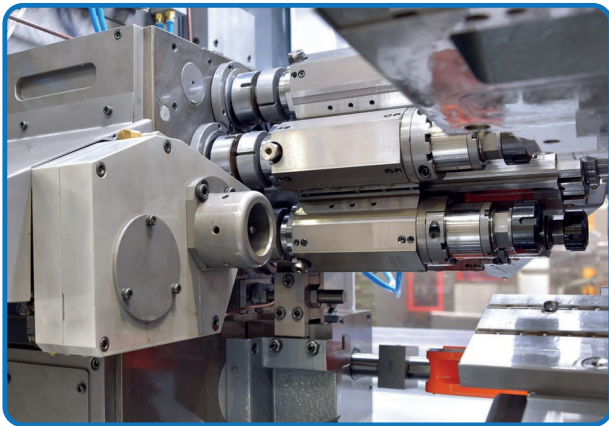


Work zone 3-4

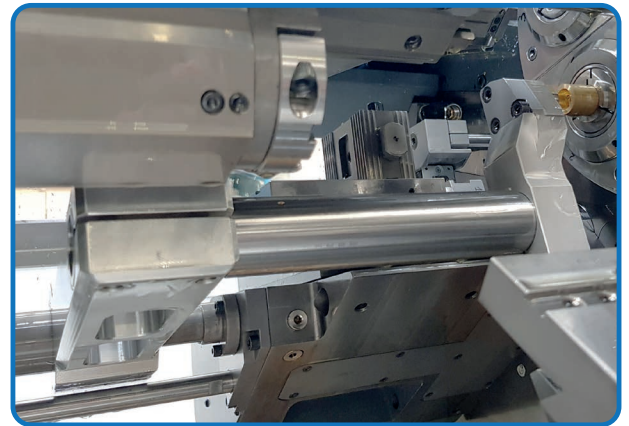


Work zone 5-6

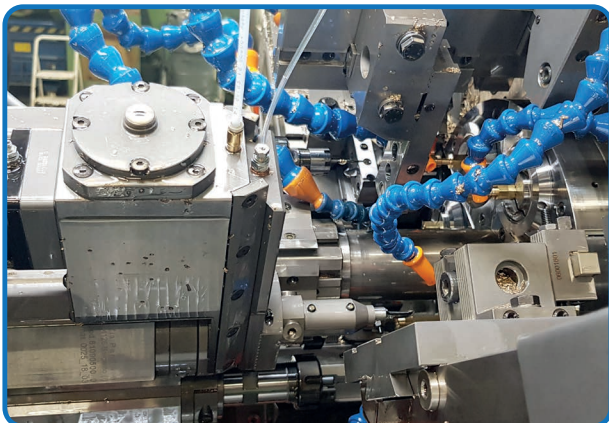
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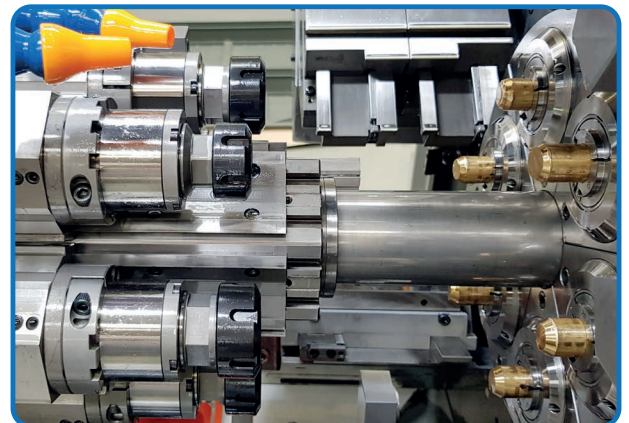
Extra drive P.2 and P.3



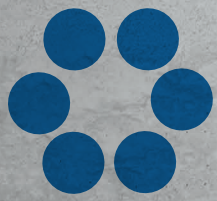
Adjustable CNC bar stop



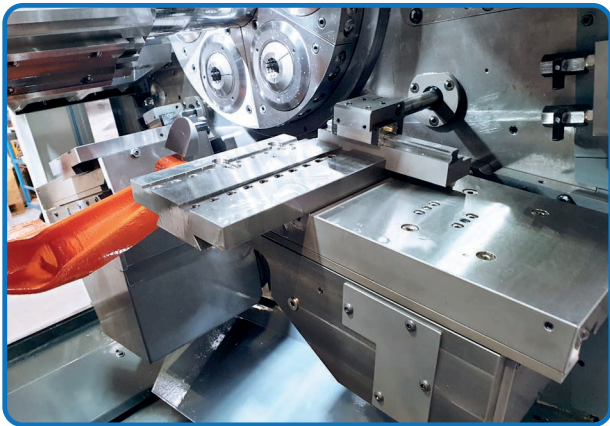
U axis



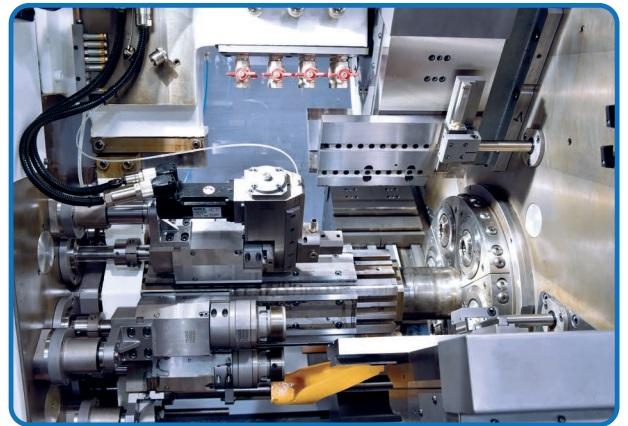
Frontal attachment for fast replacement



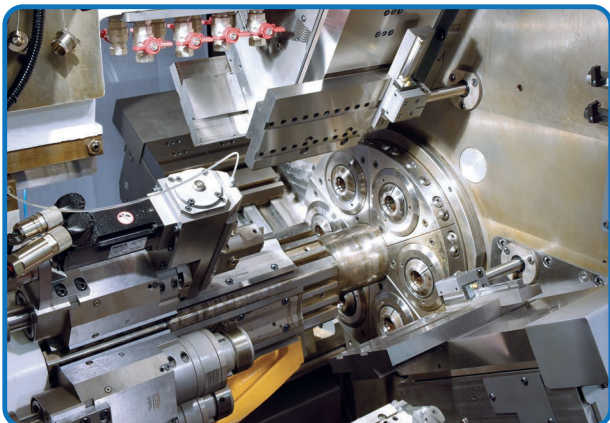
AUTOR



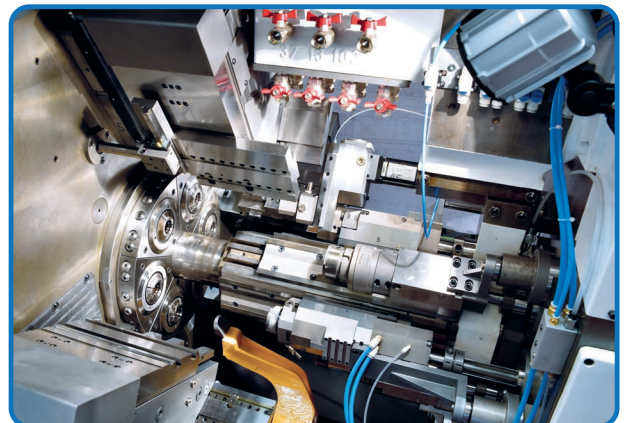
Work zone 1-2



Rear side work zone Z

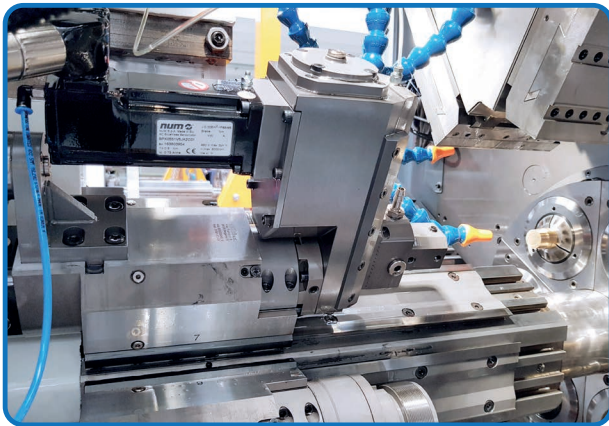


Work zone 3-4

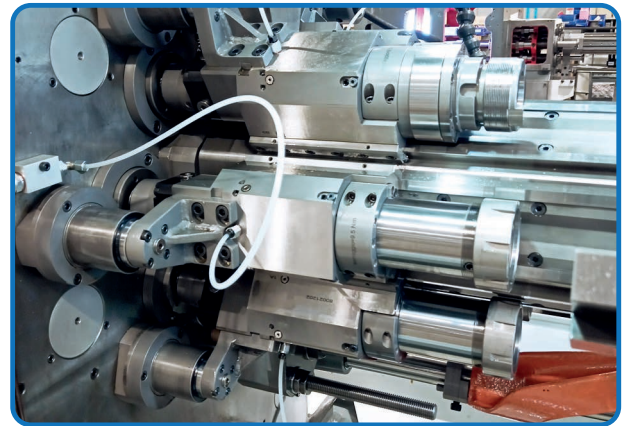


Work zone 5-6

AGM 635/642 CNC



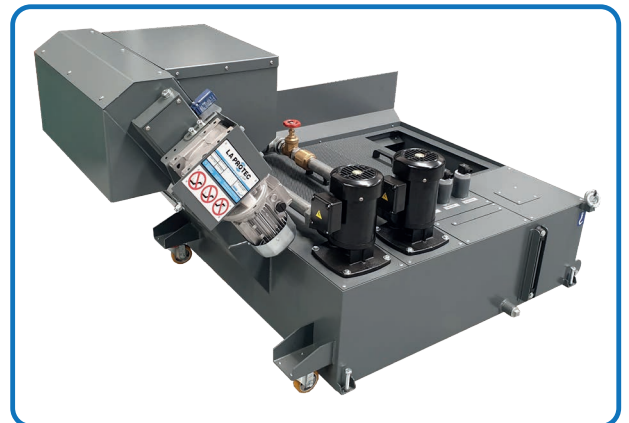
U axis



Frontal attachment for fast replacement



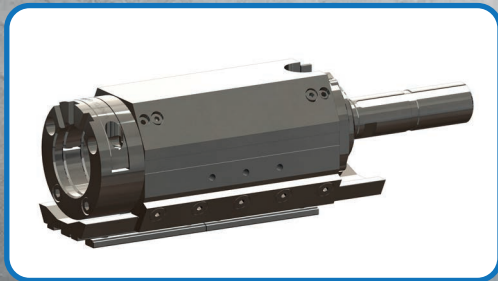
Filtering system below the bar loader



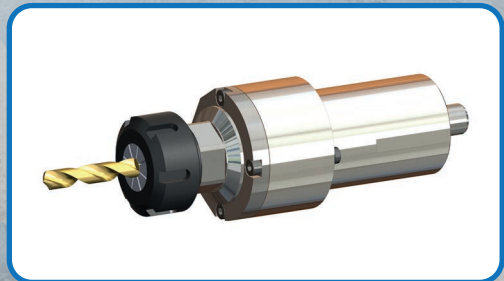
Dredging discharge system for chips

ATTACHMENTS AGM 620/625 CNC

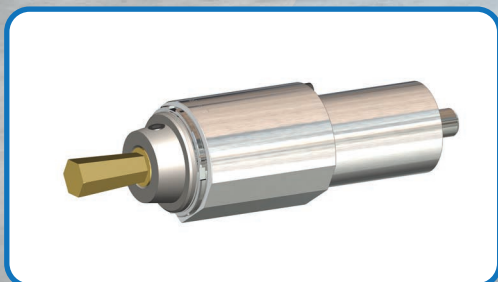
System with universal support and frontal attachments



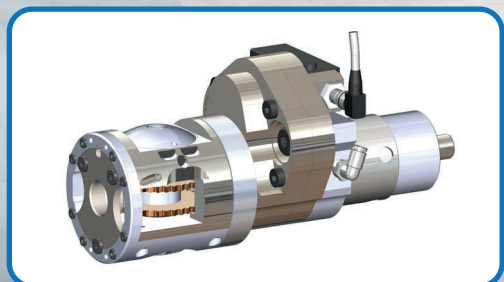
Universal support



Frontal spindle

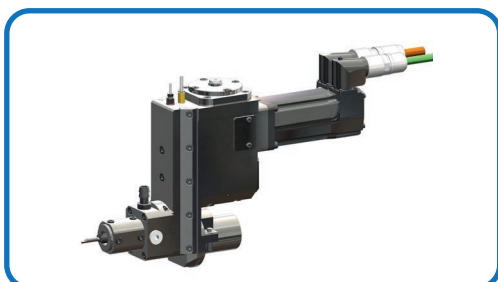


Frontal broaching attachment

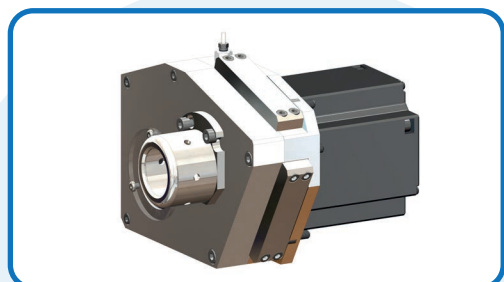


Frontal milling attachment

Numeric Control attachments

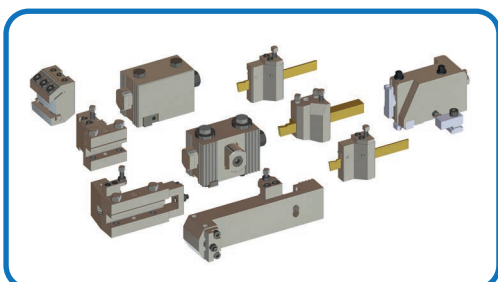


Radial slide on frontal spindle (U axis)

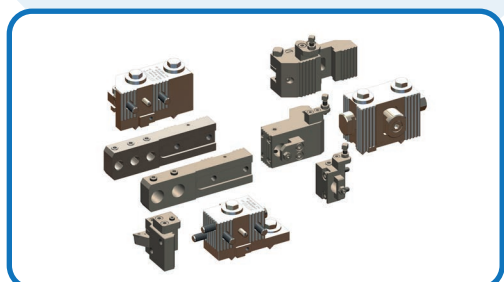


Extra drive P.2 and P.3

Attachments and tool holder for backworking slide



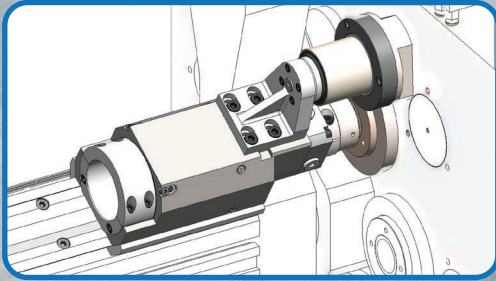
Modular tool holder



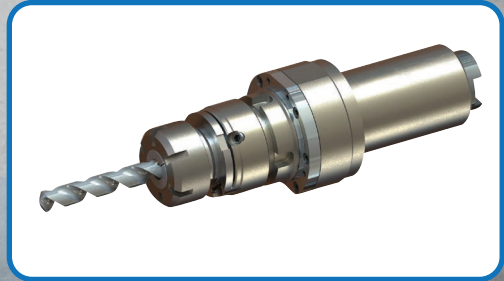
Backworking tool holder

ATTACHMENTS AGM 635/642 CNC

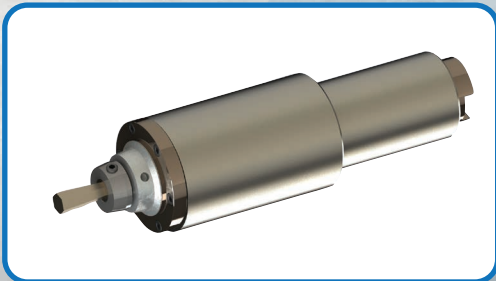
System with universal support and frontal attachments



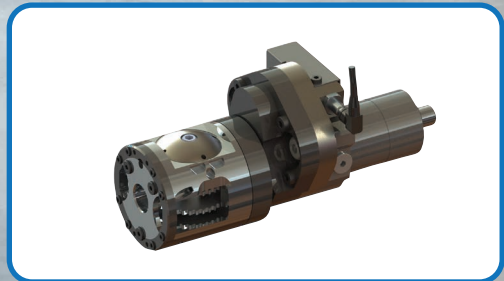
Universal support



Frontal spindle

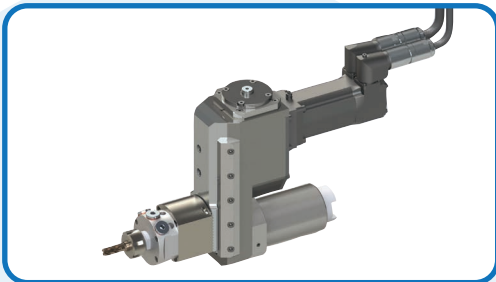


Frontal broaching attachment

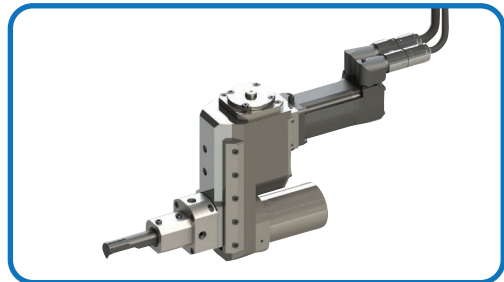


Frontal milling attachment

Numeric Control attachments

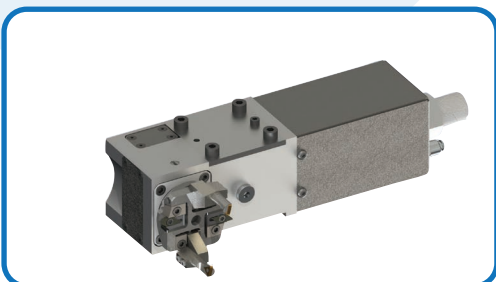


Radial slide on frontal spindle with rotating spindle (U axis)

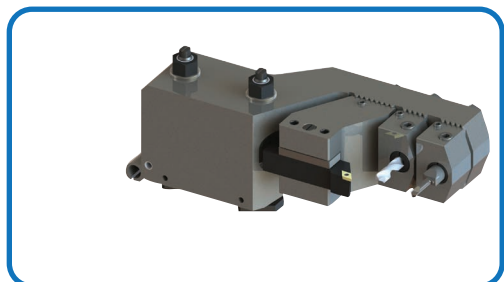


Radial slide on frontal spindle (U axis)

Attachments and tool holder for backworking slide



Multispindle turret

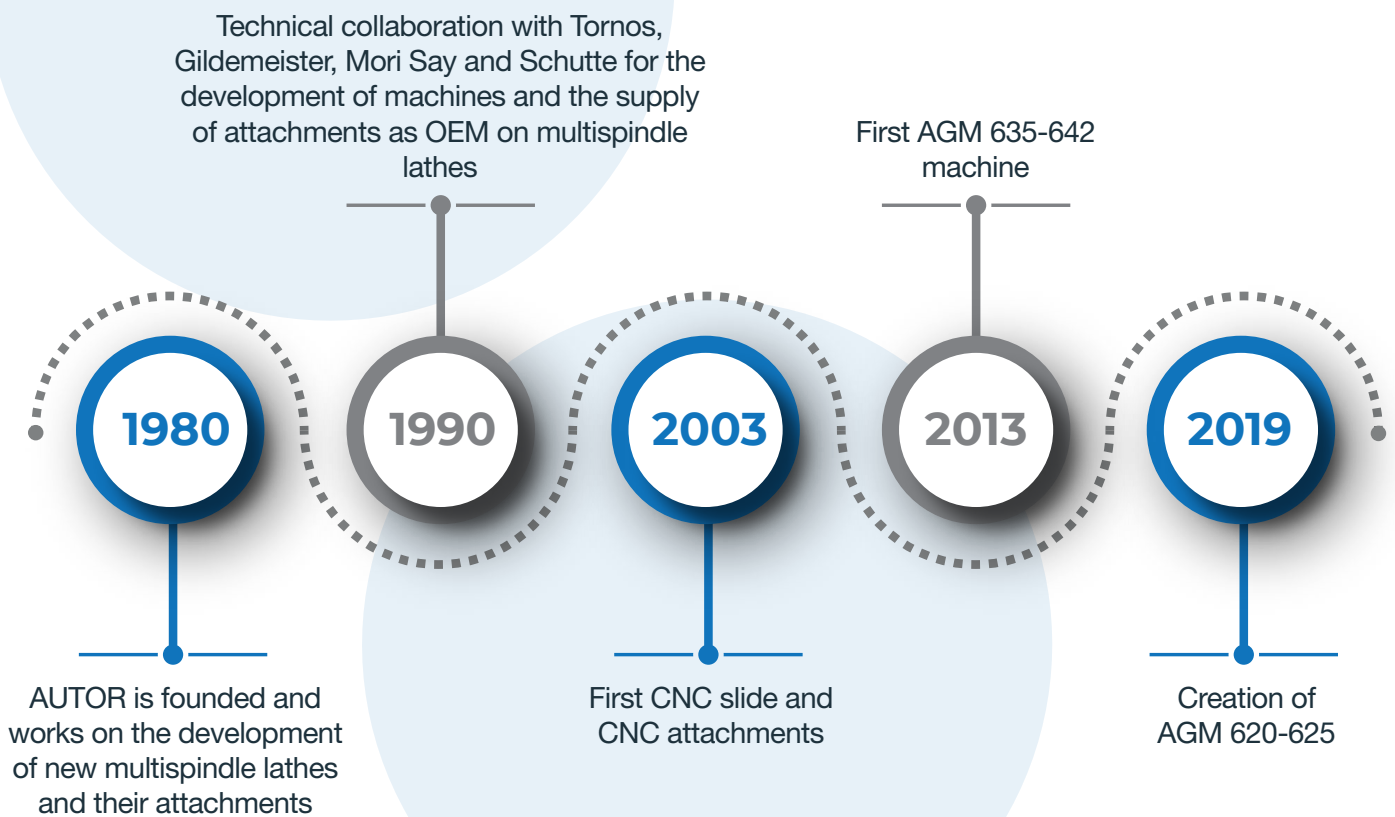


Backworking tool holder

TECHNICAL DATA

	AGM 620/625 CNC	AGM 635/642 CNC
Numeric control:	Num Flexium 68	Num Flexium 68
Main motor:	12.2 kW	asynchronous motor 15 kW
Main spindle speed:	200-5000 rpm	200-4000 rpm
Fast shafts motor control:	16 Nm 5.65 kW	9.8 Nm 3.1 kW
Fast rotation time:	0,85 sec	1 sec
Threading motor:	16 Nm 5.65 kW	22 Nm 9.8 kW
Max speed of standard threading tool:	4000 rpm	4000 rpm
Axial slides' Z axis stroke:	68 mm	100 mm
Radial slides' linear force:	1580 N	2700 N
Axial slides' linear speed:	13 m/min	15 m/min
Radial slides' X axis stroke pos. 1, 2, 3, 4, 5:	60 mm	75 mm
Radial slides' linear force:	1580 N	2700 N
Radial slides' linear speed:	12 m/min	15 m/min
Cutting slide's X slide stroke :	90 mm	120 mm
Cutting slide's X axis linear force:	1580 N	2050 N
Cutting slide's X axis linear speed:	15 m/min	20 m/min
Frontal spindles' Z axis stroke:	115 mm	250 mm
Frontal spindles' linear force:	2370 N	3560 N
Frontal spindles' linear speed:	20 m/min	20 m/min
Pick up's Z axis stroke:	160 mm	250 mm
Pick up's Z linear force:	2370 N	3560 N
Pick up's Z linear speed:	20 m/min	20 m/min
Backworking slide's X axis stroke:	90 mm	120 mm
Backworking slides's X axis linear force:	1580 N	2050 N
Backworking slides's X axis linear speed:	15 m/min	20 m/min
Number of tools with standard tool holder:	3	3
Pick up's C axis max speed:	6000 rpm	4500 rpm
Pick up's C axis max torque:	16 Nm	12.6 Nm
Additional U axis stroke (fixed):	16 mm	25 mm
Additional U axis stroke (rotating):	---	9 mm

*Technical data are not binding and can be modified anytime with no notice



OUR STRENGTH

Autor has been working in the field of multispindle lathes for more than 40 years.

The development of mechanical and electronic projects and software are directly managed by the internal technical office. This allowed us to acquire a set of exclusive know how skills through our constant research and development activities.

Our attention to the changing needs of our customers, the strong team work spirit and trust in each other, turned Autor into an essential asset to find solutions for any set of production problems.

The presence of different development teams in our company, dedicated to both the design of new CNC multispindle lathes and the development of attachments and their tool holders, makes it possible to grow the branches in parallel, in order to achieve a constant level of update and evolution of our products.

The new technological threshold pushes for an increasing integration between mechanical and electronic components and the software development. The creation of essential macro software for the management of the chips and the car threading, as well as the design of the new CNC attachments are the proof of how important it is to masterfully combine these aspects of the company's know how skills.



Via F.lli Vicentini, 12 - 24126 Bergamo - ITALY
Tel +39 035 310054 - info@autor.it

www.autor.it