



THINK PARTS THINK TORNOS



GAMMA 20

The solution for production of turned workpieces up to 20 mm in diameter.

CAPABILITY AND PRODUCTIVITY

An economical solution for the AUTOMOTIVE, ELECTRONICS and MEDICAL sectors



Our aim: to offer you an automatic turning machine with comprehensive standard equipment at a competitive price.

Simple and ergonomic, the **Gamma 20** offers easy access to all the tool positions.

It is easy to use and maintain thanks in particular to its automatic lubrication unit, a swarf tray and a high volume removable oil pan.

Integrated numerical control (FANUC 31i-A) and ISO programming also facilitate its use.

Ultra-high performance equipment and accessories:

- axial and radial drilling/milling
- deep hole drilling
- inclined drilling
- high pressure pump
- adaptation for profile bars
- long workpiece device
- machining with or without guide bush
- built-in guide bush



Steel
15 mm on flat surfaces



Bar turning steel
10 mm on flat surfaces

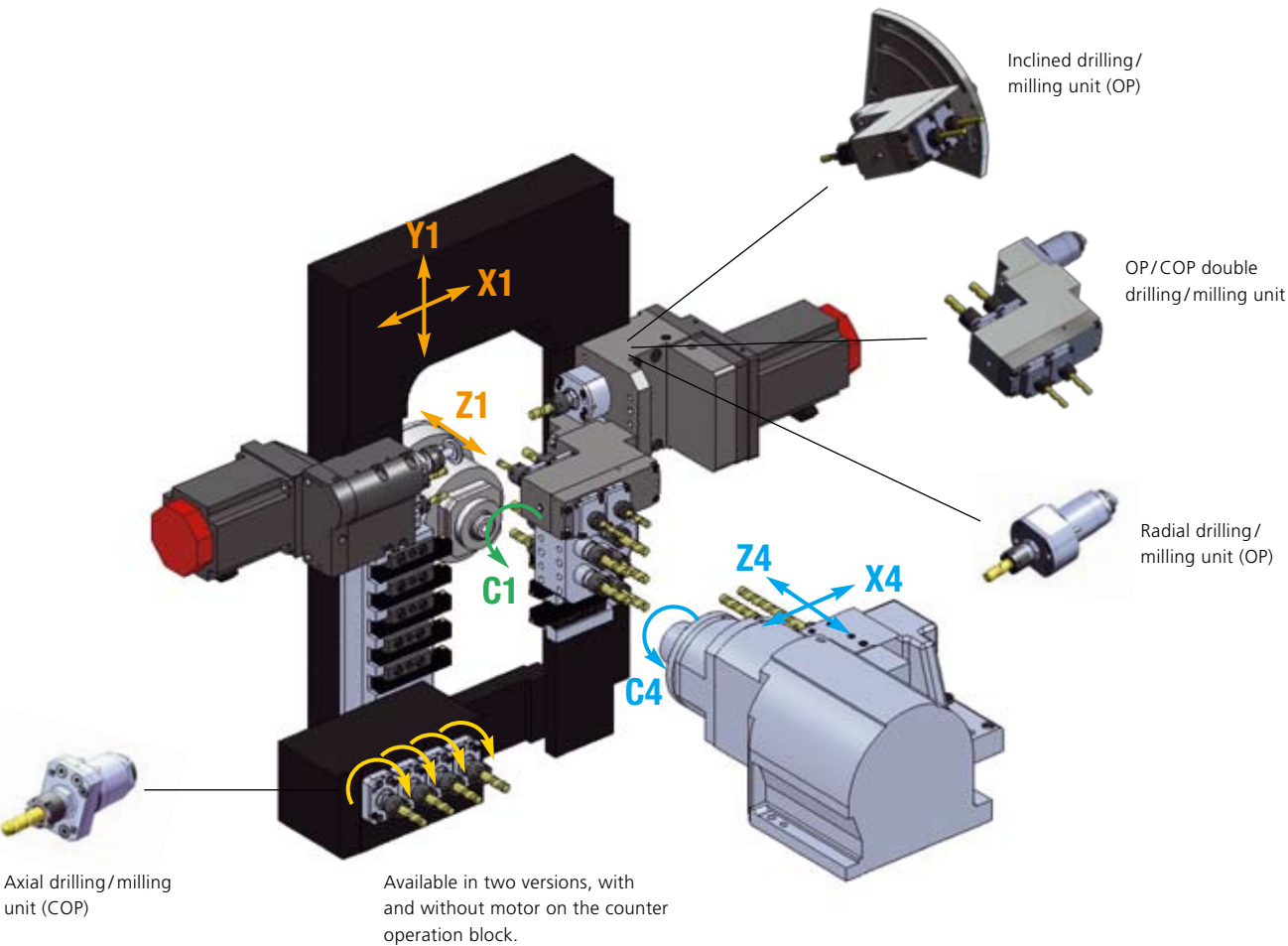
5 AXIS VERSION

The **Gamma 20** is available in two versions, with either 5 or 6 axes.

Bar turning and reworking machining operations happen simultaneously, to ensure optimal productivity.

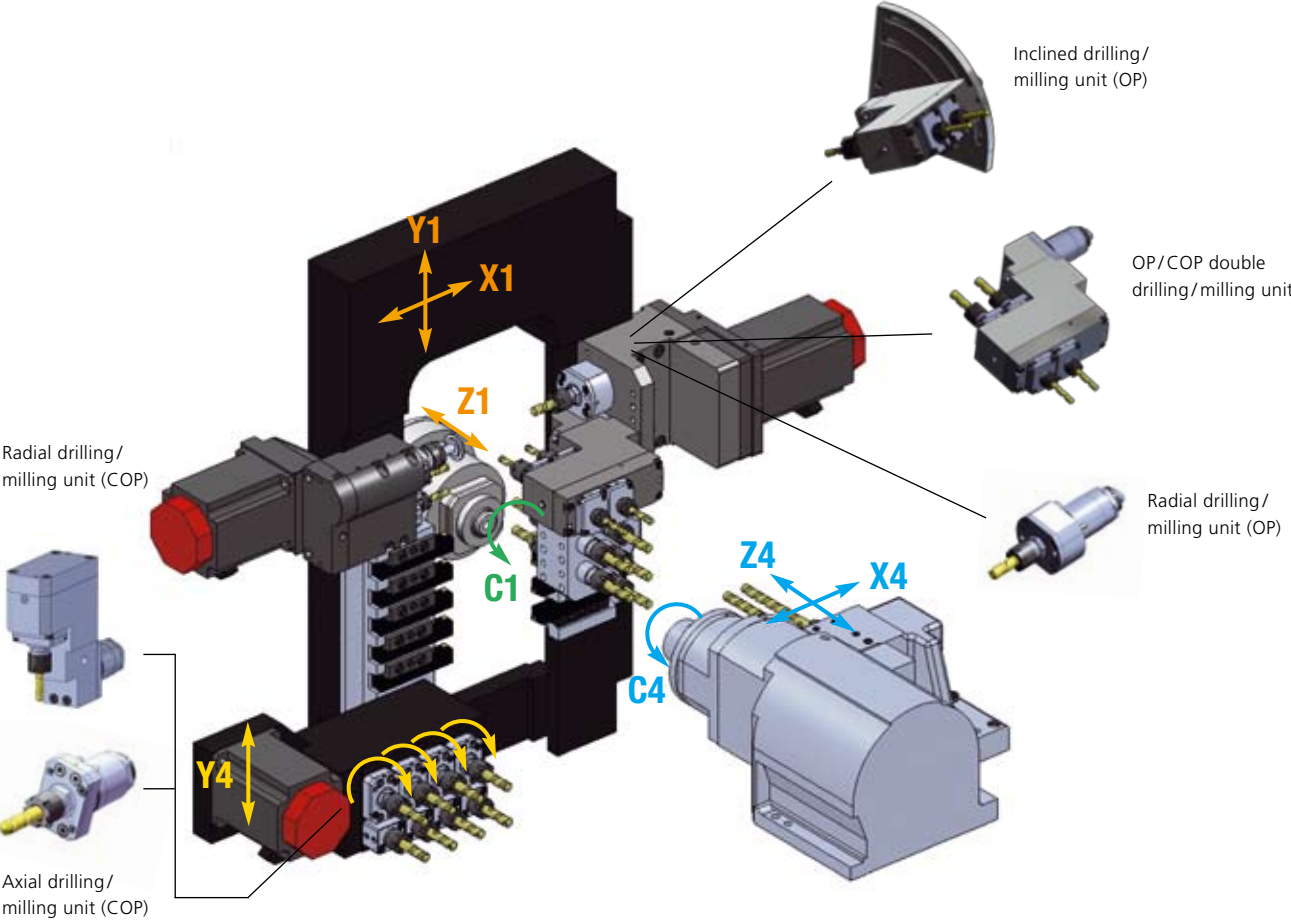
In 5 axes, up to 35 tools can be used, including 11 rotating tools. This version is also available with a motor on the counter operation block, allowing 4 rotating tools to be fitted in place of the fixed tools, bringing the possible total to 15 rotating tools.

The liquid-cooled motorised guide bush offers exceptional precision and allows the spindles to run at maximum speed (12,000 rpm.).



6 AXIS VERSION

On this version, the **Gamma 20** may be fitted with up to 39 tools, including 15 rotating tools. The Y axis offers greatly increased machining capability in counter operations and allows some complex workpieces to be produced without secondary operations. The motors on the spindles and rotating tools are some of the most powerful in their category.



TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS		GAMMA 20/5	GAMMA 20/6
Number of operating axes		5 linear + 2 C axes	6 linear + 2 C axes
Round bar capacity (min / max)	mm	3-20	3-20
Max. workpiece length	fixed guide bush	250 mm	250 mm
	motorised guide bush	210 mm	210 mm
	without guide bush	45 mm	45 mm
Main spindle speed	min ⁻¹	12,000	12,000
Main spindle power	kW	2.2/3.7	2.2/3.7
Counter spindle speed	min ⁻¹	12,000	12,000
Counter spindle power	kW	1.5/2.2	1.5/2.2
Motorised guide bush speed	min ⁻¹	200 to 12,000	200 to 12,000
Maximum number of tools		35 tools	39 tools
Maximum number of rotating tools		15	15
Turning tool section	mm	16 x 16	16 x 16
Rotating tool speed of rotation	min ⁻¹	8,000	8,000
Front platten motorised tool power	kW	0.75	0.75
Rear platten motorised tool power	kW	1	1
Counter operation motorised tool power	kW	0.75	0.75
Oil pan capacity	l	165	165
Oil pump power	W	250	250
Installed power	kVA	14	14
compressed air		min 4 bar / 40 NL / min	min 4 bar / 40 NL / min
weight	kg	3,200	3,300
Dimensions (length x width x height)	mm	2100 x 1200 x 1900	2100 x 1200 x 1900
Numerical control type		FANUC 31i-A	FANUC 31i-A
Screen		10.4" colour LCD	10.4" colour LCD
Workpiece program memory capacity	Kb	64	64
Colours : RAL 7035 grey, RAL 5013 blue			
CE / CEm certified			

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