



THINK PARTS THINK TORNOS



## GAMMA 20

The solution for series production of 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.

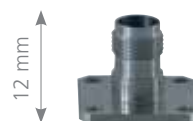
Simple and ergonomic, the **Gamma 20** offers easy access to all the tool positions.

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
- motorised guide bush



Steel  
15 mm on flat surfaces



Bar turning steel  
10 mm on flat surfaces

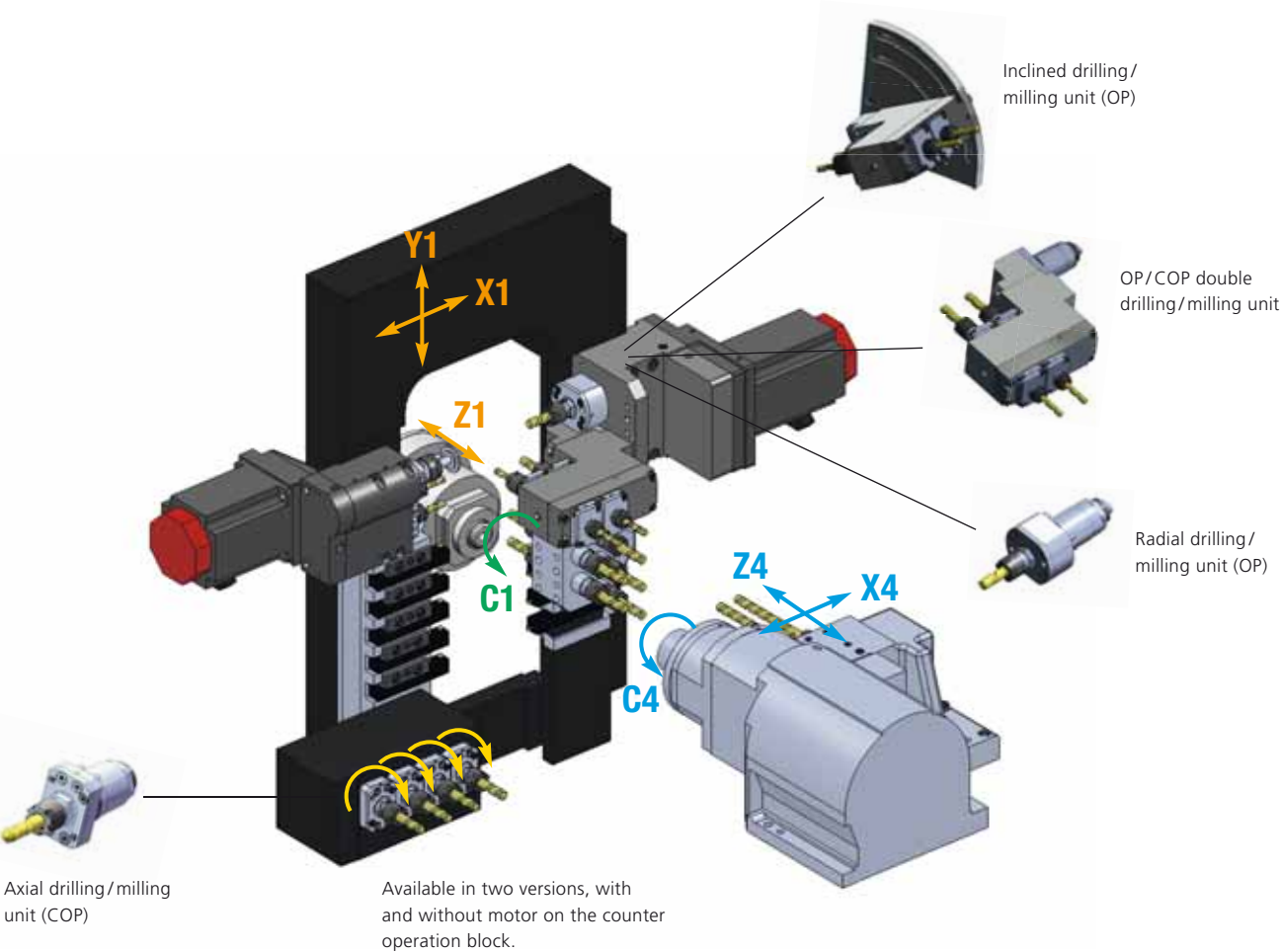
# 5 AXIS VERSION

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

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

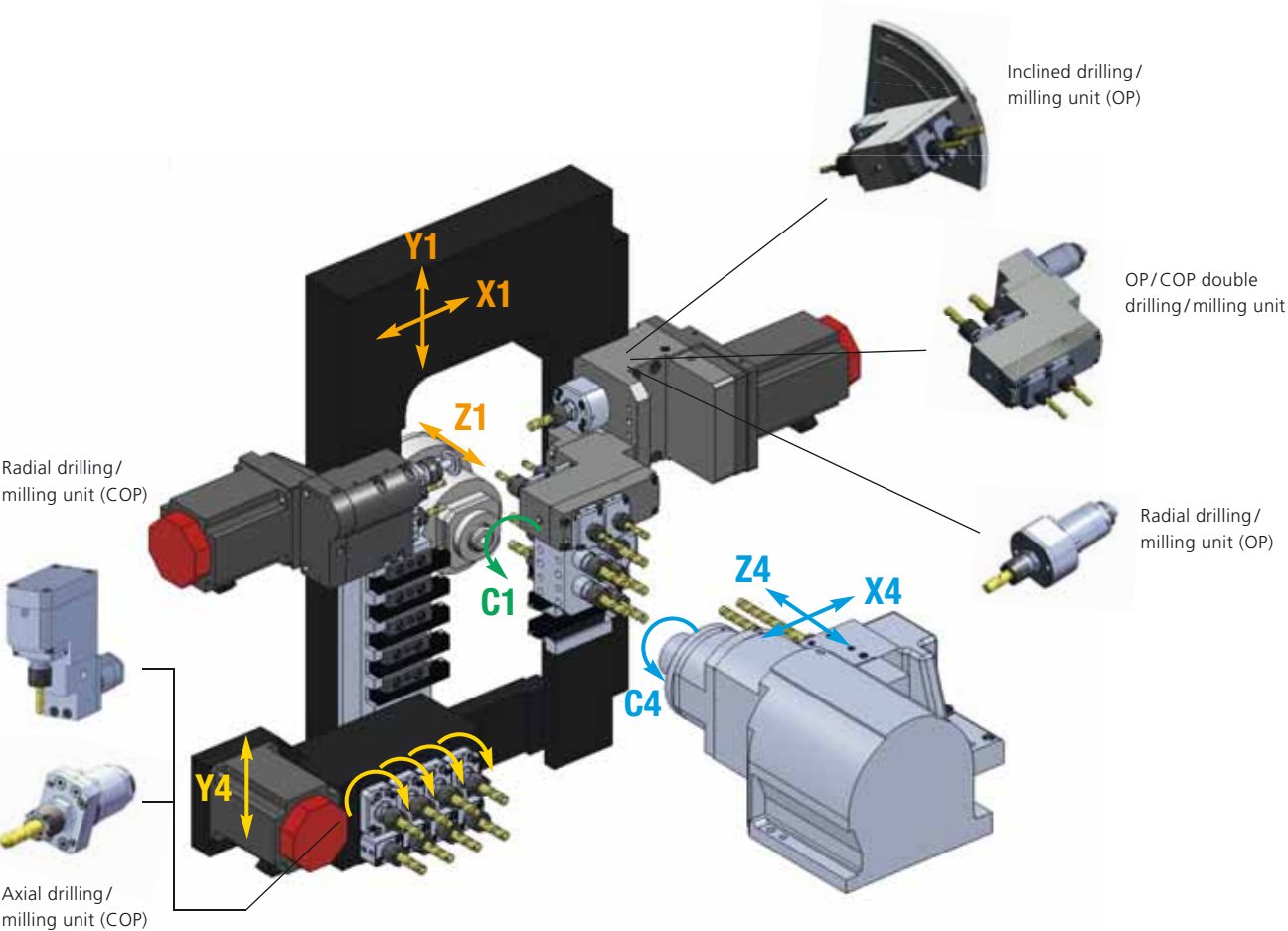
In 5 axes, up to 35 tools can be used, including 11 rotating tools. This version is also available with a motor on the counter operation block, allowing 4 rotating tools to be fitted in place of the fixed tools, bringing the possible total to 15 rotating tools.

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 reworking. 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 <sup>-1</sup>	12,000	12,000
Main spindle power	kW	2.2/3.7	2.2/3.7
Counter spindle speed	min <sup>-1</sup>	12,000	12,000
Counter spindle power	kW	1.5/2.2	1.5/2.2
Motorised guide bush speed	min <sup>-1</sup>	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 x 100	16 x 16 x 100
Rotating tool speed of rotation	min <sup>-1</sup>	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	15	15
compressed air		min 4 bar / 40 NL / min	min 4 bar / 40 NL / min
weight	kg	3,000	3,100
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			

**TORNOS S.A.**

Rue Industrielle 111  
CH - 2740 Moutier  
Tel. +41 (0)32 494 44 44  
Fax +41 (0)32 494 49 03  
contact@tornos.com  
www.tornos.com

**TORNOS TECHNOLOGIES  
DEUTSCHLAND GmbH**

Karlsruher Str. 38  
D - 75179 Pforzheim  
Tel. +49 (0)7231 / 910 70  
Fax +49 (0)7231 / 910 750  
contact@tornos.de

**TORNOS TECHNOLOGIES  
FRANCE**

Boîte postale 330  
St-Pierre en Faucigny  
F - 74807 La Roche  
s / Foron Cedex  
Tel. +33 (0)4 50 038 333  
Fax +33 (0)4 50 038 907  
contact@tornos.fr

**TORNOS TECHNOLOGIES  
IBERICA**

Pol. Ind. El Congost  
Avda. St Julia, 206 Nave 8  
E - 08403 Granollers  
Tel. +34 93 846 59 43  
Fax +34 93 849 66 00  
commercial.tti@tornos.com

**TORNOS TECHNOLOGIES  
ITALIA SRL**

Via Cesare Pavese 21  
I - 20090 Opera / MI  
Tel. +39 02 57 68 15 01  
Fax +39 02 57 68 15 230  
italia.contact@tornos.com

**TORNOS TECHNOLOGIES  
US CORPORATION**

840 Parkview Boulevard  
US - Lombard, IL 60148  
Tel. +1 630 812 2040  
Fax +1 630 812 2039  
info-us@tornos.com  
www.tornos.us

**TORNOS TECHNOLOGIES  
UK LTD**

Tornos House  
Whitwick Business Park  
Coalville  
UK - Leicestershire LE67 4JQ  
Tel. +44 (0) 1530 513100  
Fax +44 (0) 1530 814212  
sales@tornos.co.uk

**TORNOS TECHNOLOGIES  
POLAND Sp. z o.o.**

Ul. Brukselska 44 lok. 21A  
PL - 03-973 Warszawa  
Poland  
Tel. +48 226 72 91 81  
Fax +48 226 16 55 81  
poland.contact@tornos.com

**TORNOS TECHNOLOGIES  
(Shanghai) LTD**

Hui Feng Creativity Garden  
Feng Yu Building, 1-2F  
No. 239, Xitai Rd, Xu Hui District  
CN - Shanghai 200232  
Tel. +86 21 6235 1235  
Fax +86 21 6235 1938  
china.contact@tornos.com

**TORNOS BEIJING OFFICE**

Rm.1706, Tower A  
Dongyu Office Building  
Jia #1 Shuguang Xili  
Chaoyang District  
CN - Beijing 100028  
Tel. +86 10 5979 8583  
Fax +86 10 5822 0483  
beijing.contact@tornos.com

**TORNOS TECHNOLOGIES  
ASIA LTD**

Unit 4, Ground Floor, Transport City  
Building  
1-7 Shing Wan Road  
Tai Wai, Shatin  
N.T., Hong Kong  
Tel. +852 2691 2633  
Fax +852 2691 2133  
asiapacific.contact@tornos.com

**TORNOS S.A. THAILAND  
REPRESENTATIVE OFFICE**

Flat 1B, The U.N. Residence  
27/28 Sukhumvit Soi 33  
Bangkok 10110  
Thailand  
Tel. +66 2 662 3908  
Fax +66 2 662 3910  
thailand.contact@tornos.com

**TORNOS TECHNOLOGIES ASIA LTD  
MALAYSIA**

**REPRESENTATIVE OFFICE**  
Suite 8.07, 8th Floor, MWE Plaza  
No. 8, Lebuhr Farquhar  
10200 Penang  
Malaysia  
Tel. +6 04 2630118 / 2635118  
Fax +6 04 2624118  
malaysia.contact@tornos.com

**Conforms to the European CE/CEM Safety Standards**

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