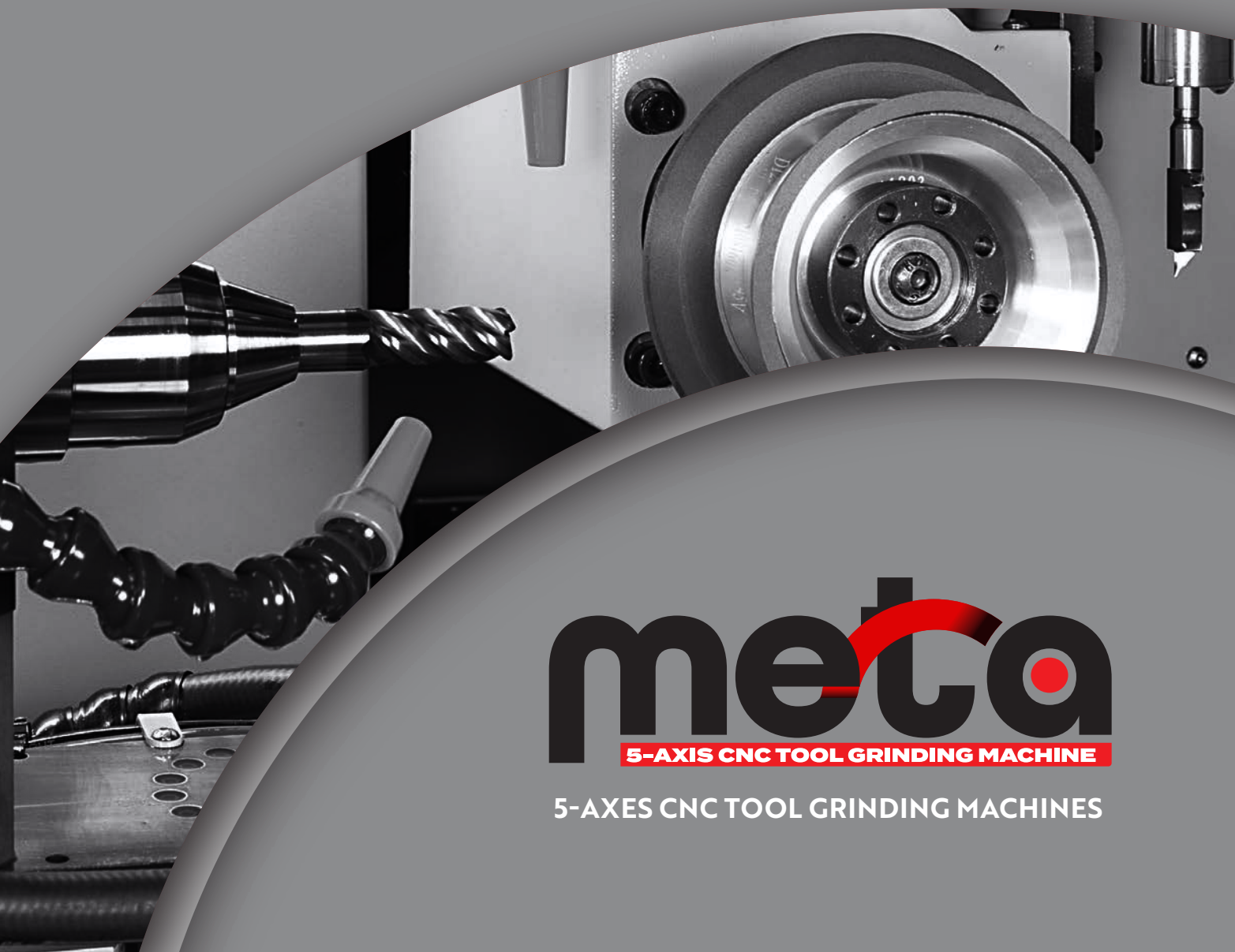


cuochi



metca

5-AXIS CNC TOOL GRINDING MACHINE

5-AXES CNC TOOL GRINDING MACHINES



With a **base** and column in **cast iron**, the **META** model grinding machines offer, all the technology necessary to reproduce the increasingly complex geometries that modern tools require.

The kinematics of the grinding machine consists of **3 linear axes** and **2 rotary axes**. The linear axes Y, Z are assembled on a column containing the spindle. The collet holder unit, axis A, is mounted on the rotary axis C, which is fixed to the linear axis X

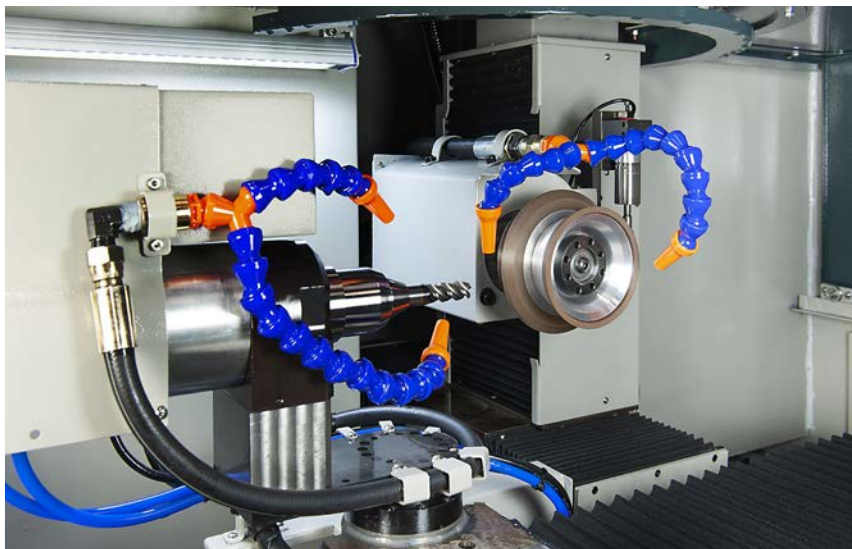
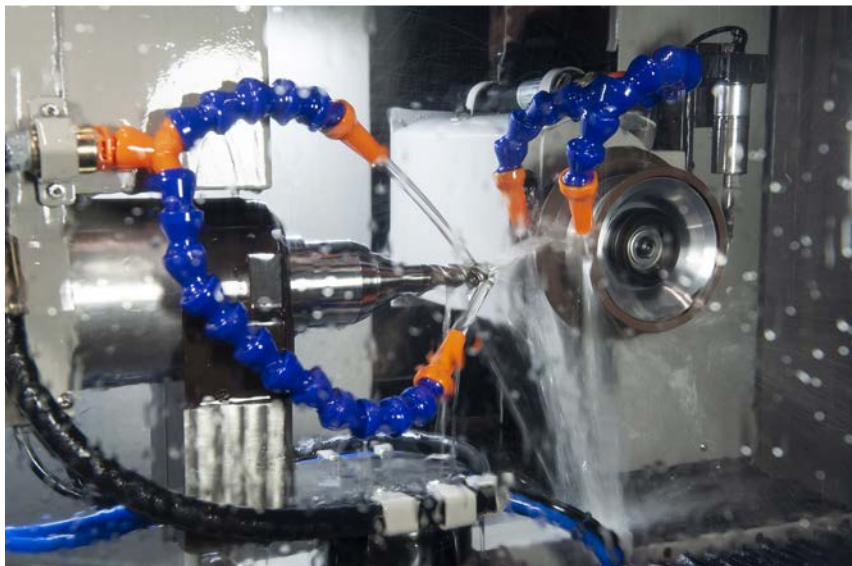
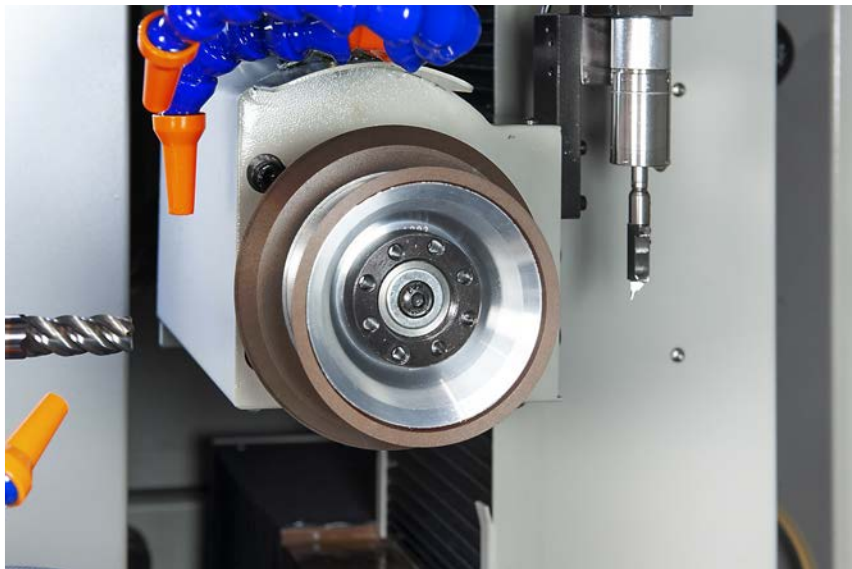
AXES TRAVEL

Axis X	320 mm
Axis Y	245 mm
Axis Z	140 mm
Axis C	+45° -190° mm
Axis A	∞

meta

5-AXIS CNC TOOL GRINDING MACHINE





TECHNICAL DATA

Minimum and maximum tool diameter	2-25 mm
Maximum tool length	up to Ø 19 mm 230 mm
Maximum tool length	from Ø 19.5 to Ø 25 mm 125 mm
Automatic tool clamping	(W25 Collet)
Wheel spindle power	2 KW
Rotational speed	0-4500 rpm
Maximum grinding wheel diameter	125 mm Ø
Number of grinding wheels	2-3
Electrical Power Supply	4 KW
Power supply voltage	230V /1 /50 Hz single-phase
Dimensions	1300x1200x1720 mm
Machine weight	760 KG
Googltech control	GTS Series
Drives	Yaskawa
Interpolation	simultaneous 5 axes
Operating system	Windows 7

meta

5-AXIS CNC TOOL GRINDING MACHINE



The grinding machines mod. META are equipped with **tool programming software integrated in the CNC**. A **simple and intuitive graphical user interface**, with specific drawings for each individual parameter to be entered, makes our machine suitable for operators without in-depth knowledge of tools.

Regrinding and construction of twist drills, square mills, corner radius and ball nose mills with equal and unequal division and helix. Disc mills, male grinding, polygonal tool construction and regrinding.

Lunghezza testa punzone

Campo:
 Incremento:
 Valore:

BackSpace

7	8	9
4	5	6
1	2	3
.	0	-

Conferma
Indietro

Tipo punta

Tipo tagliente:

Tipo affilatura:

Parametri punta

Sel. affilatura	1ª-2ª Spogl	Ordine affilatura	2ª ► 1ª
Angolo al vertice	140	Spessore nocci...	0.836
Angolo 1ª Spoglia	11	Angolo 2ª Spoglia	20
Ampiezza 2ª Sp...		Angolo 3ª Spoglia	

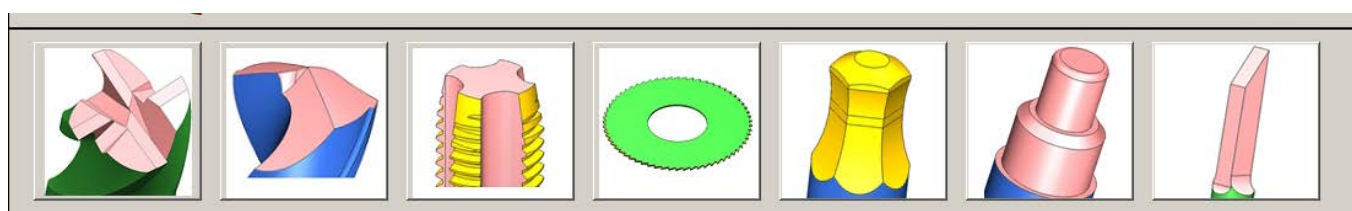
Raggio torico

Campo:
 Incremento:
 Valore:

BackSpace

7	8	9
4	5	6
1	2	3
.	0	-

Conferma
Indietro



Conical relief with
S-splitting

U-splitting

4-facett with S-splitting

4-facett with X-splitting

NC.drills

Enddrill 3 Flutes

Stepdrill

Stepdrill 4-facett

Endmill 2 Flutes

Ball nose endmill

Endmill 3 Flutes

Endmill 4 Flutes

Endmill unequal division

Corner radius endmill

Endmill 8 Flutes

Endmill 6 Flutes

Male

Reamer





cuoghi

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