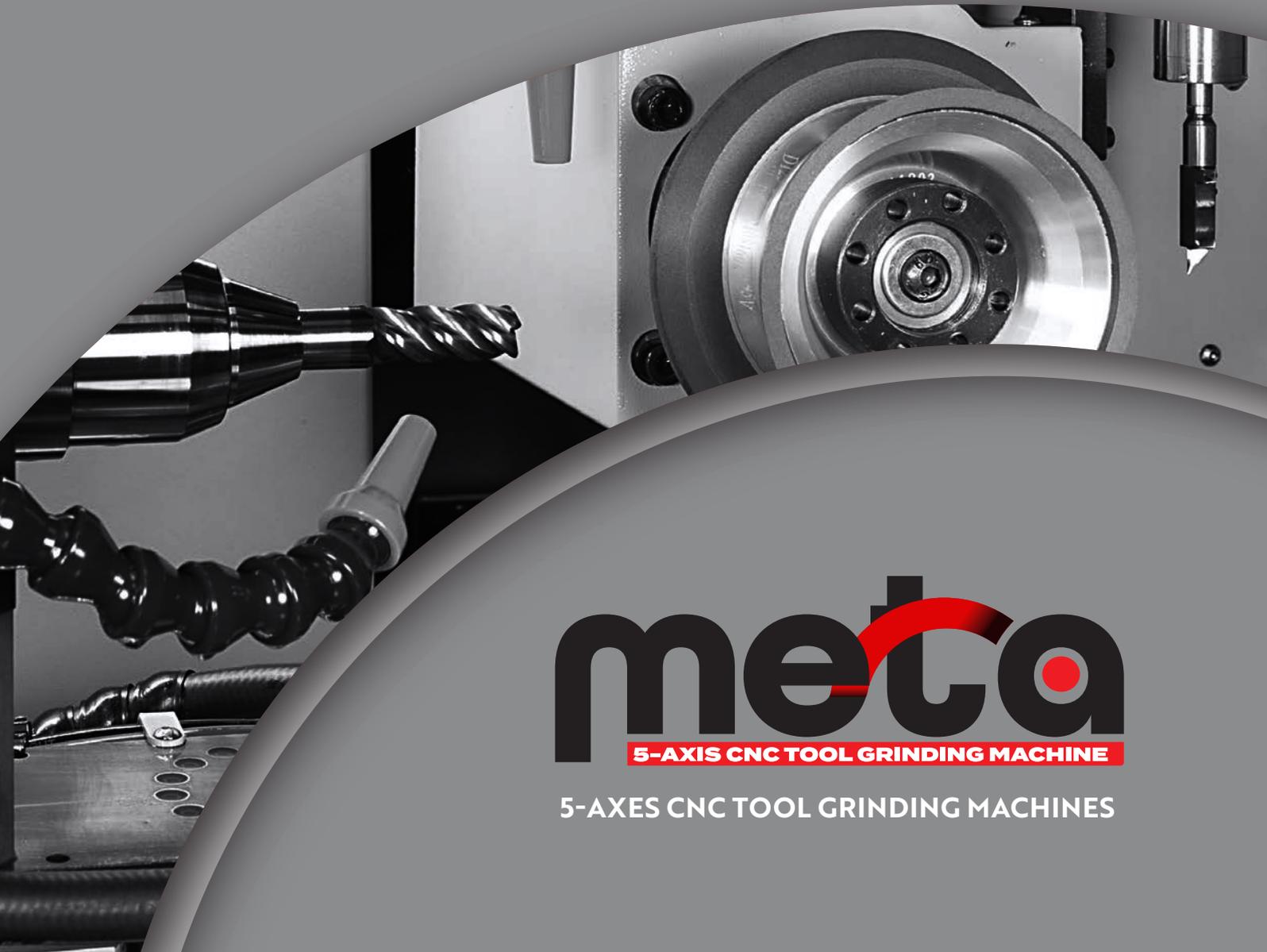


Cocchi



meta
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

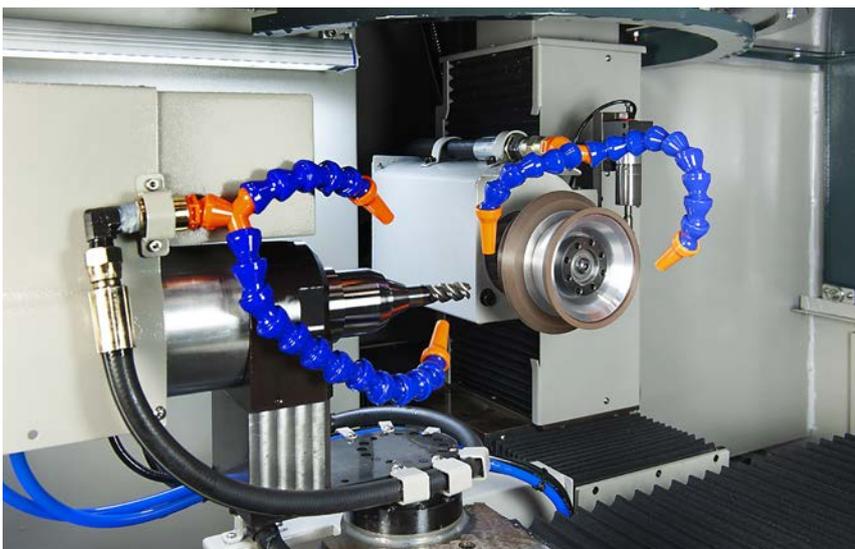
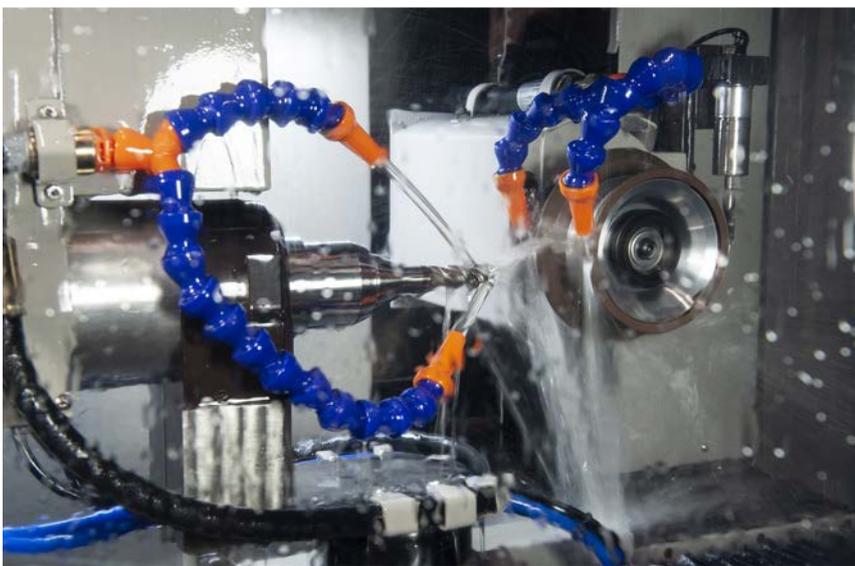
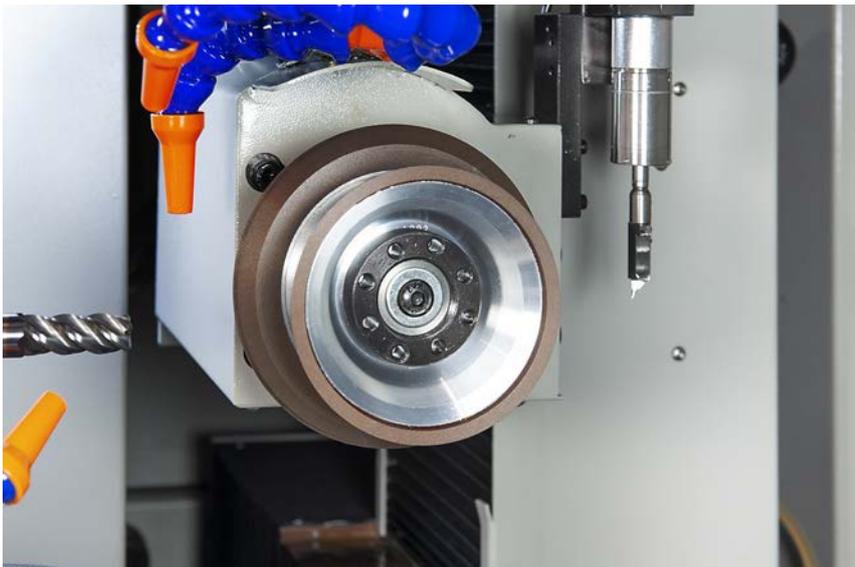
AXES TRAVEL

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

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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: 0.100mm ~ 100.000mm
 Incremento: 0.001mm
 Valore:

BackSpace

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

Conferma
 Indietro

Tipo punta

Piani + Apertura a X	Piani + Apertura doppia X	Piani + Apertura a S	Piani + Apertura a U
Mantello conico + Apertura a X	Mantello conico + Apertura doppia X	Mantello conico + Apertura a S	Mantello conico + Apertura a U
Multitagliente + Apertura a X	Piani + Apertura A	Taglienti al centro	Cuspide + Apertura a X

Tipo tagliente:

Tipo affilatura: **Piani + Apertura a S**

Parametri punta

Sel. affilatura	<input type="text" value="1ª-2ª Spogl"/>	Ordine affilatura	<input type="text" value="2ª ► 1ª"/>
Angolo al vertice	<input type="text" value="140"/>	Spessore nocci...	<input type="text" value="0.836"/>
Angolo 1ª Spoglia	<input type="text" value="11"/>	Angolo 2ª Spoglia	<input type="text" value="20"/>
Ampiezza 2ª Sp...	<input type="text"/>	Angolo 3ª Spoglia	<input type="text"/>

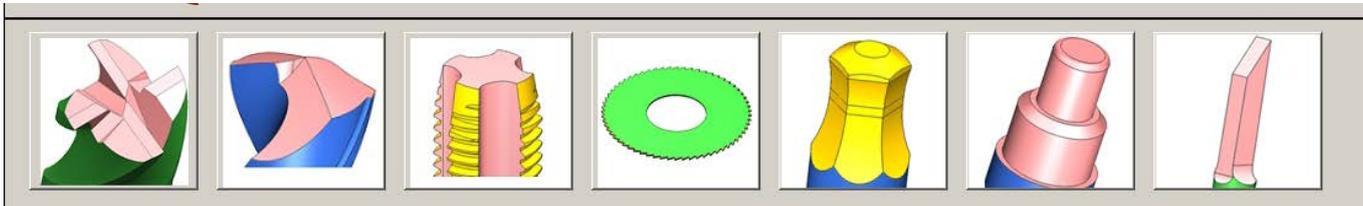
Raggio torico

Campo: 0.010mm ~ 4.500mm
 Incremento: 0.001mm
 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

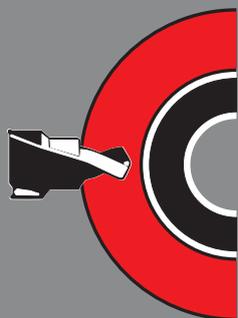


Endmill 6 Flutes

Male

Reamer





cuoghi

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