

CITIZEN



D 25 VIII

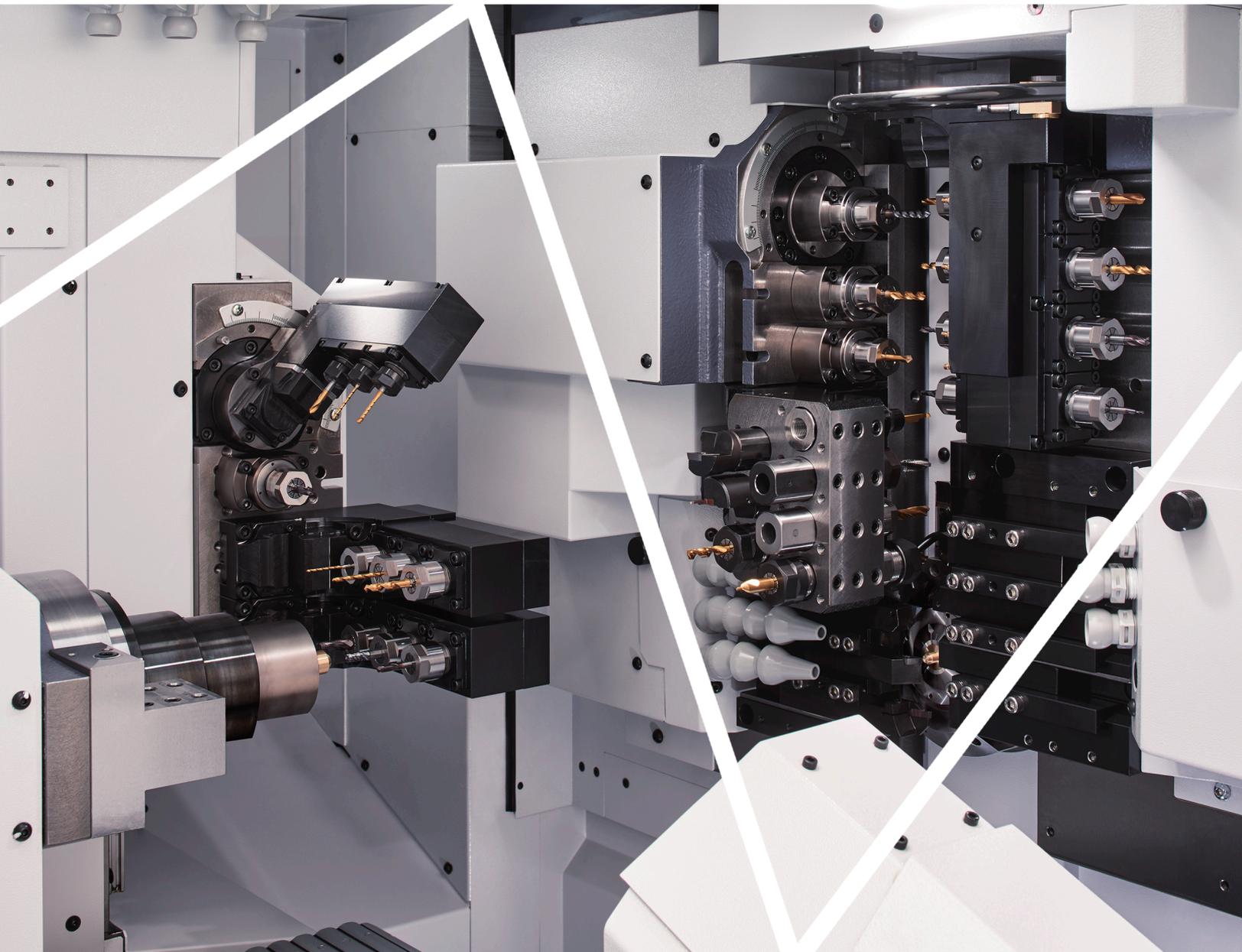
Tornio Automatico CNC a Fantina Mobile



CINCOM



D25 VIII : la massima produttività come obiettivo



Lavorazioni in simultanea con tre utensili

Grande versatilità delle varie piastre

Asse B e cinque assi in continuo

Capacità di oltre 40 utensili

Convertibile con o senza bussola

Tecnologia LFV Low Frequency Vibration

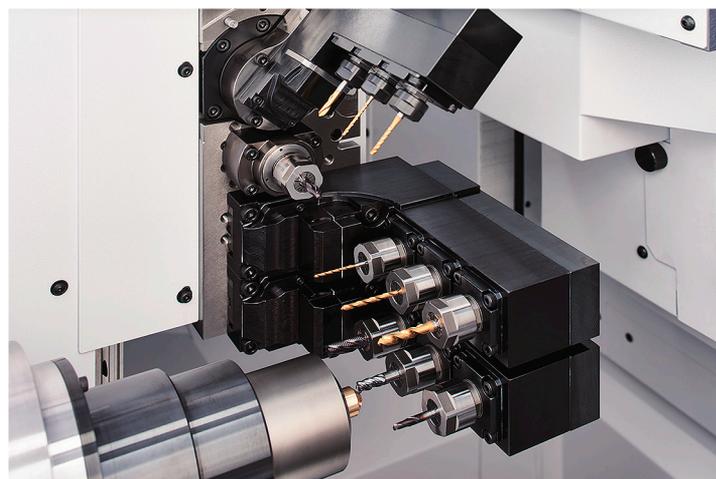


ELEVATA PRODUTTIVITA'

I tempi ciclo sono sensibilmente ridotti grazie alla doppia piastra che permette di spostare il maggior numero di lavorazioni possibili sul mandrino principale

FLESSIBILITA' E VERSATILITA'

Elevata configurabilità ottenuta grazie alla struttura della piastra di ripresa dotata di 4 stazioni motorizzabili fino ad ottenere 12 utensili tra fissi e motorizzati





TECNOLOGIA LFV

La tecnologia Low Frequency Vibration consente il massimo controllo del truciolo, oltre che possibili lavorazioni di materiali malleabili.

HUMAN MACHINE INTERFACE

L'agevole e immediato controllo dello status operazioni è possibile grazie ad un comodo pannello touch screen, e attraverso un flash drive USB o SD card sono possibili le funzioni di input/output dei programmi NC.



SPECIFICHE MACCHINA

| Items | D25 | |
|---|----------------------------------|---------------------|
| | Type VII (D25-1M7) | Type VIII (D25-1M8) |
| Max. machining diameter (D) | 25 mm dia. | |
| Max. machining length (L) | | |
| Guide bushing | 250 mm | |
| Guide bushing-less | 2.5 D | |
| Max. front drilling diameter | 12 mm dia. | |
| Max. front tapping diameter (Cutting tap) | M10 | |
| Spindle speed | Max. 10,000 min ⁻¹ | |
| Max. drilling diameter by rotary tool on gang tool post | 10 mm dia. | |
| Max. tapping diameter by rotary tool on gang tool post | M8 | |
| Gang tool spindle speed | Max. 9,000 min ⁻¹ | |
| Max. chuck diameter of the back spindle | 25 mm dia. | |
| Max. workpiece protrusion length from the back spindle | 50 mm | |
| Max. drilling diameter in back machining | 12 mm dia. | |
| Max. tapping diameter in back machining | M10 | |
| Back spindle speed | Max. 10,000 min ⁻¹ | |
| Tool capacity Standard (Maximum) | 35 (59) | 35 (43) |
| Cutting tool | 7 - 13 | 7 - 9 |
| Front drilling tools | 4 - 23 | 4 - 13 |
| Front cross drilling tools | 7 - 12 | 7 |
| Back drilling tools | 6 - 35 | 6 - 25 |
| Back cross drilling tools | 4 - 6 | 4 - 6 |
| Tool size | | |
| Turning tool | 16 mm sq./ 19 mm sq./ | |
| Sleeve | 25.4 mm sq./ | |
| Chuck / bushing | | |
| Spindle collet chuck | FC071-M | |
| Back spindle collet chuck | FC071-MK | |
| Guide bushing | FG521-M | |
| Rapid feed rate | | |
| All axes (other than Z2) | 32 m/ min | |
| Z2 axis | 24 m/ min | |
| Motor | | |
| For spindle drive | 3.7/ 5.5 kW | |
| For driving rotary tools on the gang tool post | 2.2 kW | |
| For back spindle drive | 2.2/ 3.7 kW | |
| For driving rotary tools on the back tool post | 1.0 kW | |
| Rated power consumption | 13 kVA | |
| Total load current | 33 A | |
| Main breaker capacity | 60 A | |
| Pneumatic device | | |
| Required pressure | 0.5 MPa(5kgf/cm ²) | |
| Flow rate | Up to 60 NL/min (Power on) | |
| | Up to 180 NL/min (With air blow) | |
| Tank capacity | | |
| Tank capacity | 0.8 L | |
| Coolant tank capacity | 200 L | |
| Machine size | | |
| Machine height | 1,795 mm | |
| Required floor area | 2,440x1,380 mm | |
| Required floor area | 1,050 mm | |
| Required floor area | 3,450 kg | |

Standard Accessories

| | |
|--|-----------------------------------|
| Spindle chucking device | Cut-off tool breakage detector |
| Back spindle chucking device | Workpiece conveyor |
| Rotary tool spindle drive device of the gang tool post | Work light |
| Coolant tank (with level detector) | Rotary guide bushing drive device |
| Central lubrication device (with level detector) | Spindle cooling device |
| Machine relocation detector | Door lock |

Special Accessories

| | |
|--|--------------------------------|
| Rotary guide bushing device | Signal lamp |
| Knock-out device for workpieces with through-holes | 3-color signal tower |
| Chip conveyor | Opposite tool post |
| Coolant flow rate detector | Medium-pressure coolant device |
| D25 dedicated tools | |

Standard NC Functions

| | |
|---|--|
| D25 dedicated NC unit | 15-inch touch panel screen |
| User disk space: 10 MB | Program storage capacity 160 m (64kB) |
| Tool offset pairs: 99 pairs | Preparation function |
| On-machine program check function | Run hour display |
| USB slot | Door lock function |
| Interference check function | Machine operation information display |
| Collision detection function | Spindle speed fluctuation detection function |
| Spindle constant surface speed control function | Tool nose radius compensation |
| B axis control function (type VIII) | Thermal displacement correction function |

Special Additional NC Functions

| | |
|---|---|
| Back spindle chasing function | Variable lead thread cutting |
| Circular thread cutting | User macro |
| Drilling canned cycle | High-speed synchronized tapping function |
| Differential speed rotary tool function | Back spindle 1° indexing function |
| Spindle C-axis function | Back spindle C-axis function |
| Milling interpolation function | Helical interpolation function |
| Coordinate rotation command function | RS-232C connector |
| User disk space: 100 MB | Program storage capacity 4800 m (1920 kB) |
| Run using program in external memory | Tool life management I |
| Tool life management II | Network I/O function |
| Sub-micron command | Optional block skip (9 sets) |
| 3D chamfering function | |

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