

## CNC TURNING CENTER

## FORTUNE PACIFIC NL403M

Fortune Pacific horizontal turning-milling center for shafts and fittings that mix turning with live-tool features. Decide by swing, length and the job on the drawing.

### Specifications

Verified against manufacturer engineering data.

|                        |                                                  |
|------------------------|--------------------------------------------------|
| Travel Xz              | 280/800 mm                                       |
| Ballscrew X            | Φ32/8 mm                                         |
| Ballscrew Z            | Φ40/10 mm                                        |
| Turret Type            | 25x25 mm                                         |
| Max Slotting           | Φ16x12x40 mm                                     |
| Total power            | 35 kVA                                           |
| Machine weight         | 4100 kg                                          |
| Axis travel (X/Y/Z)    | 280/800 mm                                       |
| Hydraulic Chuck        | Solid 10" / Hollow 10" / Solid (hollow) 12" inch |
| Live Tool Speed        | 4000 mm                                          |
| Turret Stations        | 12(BMT55)                                        |
| Max Bar Capacity       | Φ74 mm                                           |
| Milling capacity       | Φ16x12x40 mm                                     |
| Rapid Feed Speed       | 24/30 m/min                                      |
| Tapping capacity       | M10x1.5/M24x1 mm                                 |
| Axis Motor Torque      | 11/11 N.m                                        |
| Drilling capacity      | Φ14x0.16 mm                                      |
| Max. spindle speed     | 3500 rpm                                         |
| Spindle Nose Type      | A2-8 ISO                                         |
| Max Swing Over Bed     | Φ400 mm                                          |
| Max Turning Length     | 700 mm                                           |
| Turning Tool Shank     | 25x25 mm                                         |
| Height From Spindle    | 1050 mm                                          |
| Spindle motor power    | 15/18.5 kW                                       |
| Rapid travel (X/Y/Z)   | 24/30 m/min                                      |
| Spindle Bore Diameter  | Φ86 mm                                           |
| Tailstock Quill Taper  | MT5 live center Morse                            |
| Boring Tool Holder Dia | Φ40 mm                                           |
| Mill Spindle Max Speed | 4000 rpm                                         |

|                          |         |
|--------------------------|---------|
| Tailstock Quill Travel   | 100 mm  |
| Max Swing Over Carriage  | Φ480 mm |
| Tailstock Quill Diameter | Φ100 mm |

- Represented & vetted by FORTUNE PACIFIC — specifications verified against manufacturer engineering data; single point of accountability.

## Engineering that holds tolerance

The design decisions behind the numbers.

## Quality, measured — not assumed

- Cast-iron bed sized for interrupted cuts on mid-duty shafts.
- 12-station BMT55 live turret for turning plus radial milling in one clamp.
- Programmable tailstock with MT5 live center.

## Where it earns its keep

Representative parts from the box-way VMC platform.

| Industry                   | Part                                     | Material                           | Strength                                                                              |
|----------------------------|------------------------------------------|------------------------------------|---------------------------------------------------------------------------------------|
| Automotive drivetrain      | Transmission shafts / clutch hubs        | Alloy steel / case-hardened blanks | Live-tool OD/ID turning + radial milling on one setup                                 |
| Construction machinery     | Pins, bushings, heavy shafts             | Medium-carbon / forged steel       | Φ400-class turning envelope with BMT live tooling for flats, keys, and support        |
| Energy & fluid power       | Valve bodies / flange fittings           | Stainless / ductile iron           | Turning and light milling, a                                                          |
| General precision job shop | Short-run shafts with secondary features | Mixed lots                         | When the print mixes turning and light milling, a                                     |
| Agricultural equipment     | PTO shafts / gearbox stubs               | Forged steel                       | Turning length, heat-treated for                                                      |
| Pump & compressor          | Rotors / bearing journals                | Alloy steel                        | Journal turning accuracy with optional milling of drive features in the same fixture. |

## Configuration

Standard scope and factory options.

### Standard configuration

- Hydraulic chuck (solid / hollow options)
- Live-tool turret with milling, drilling and tapping capacity listed above
- Programmable tailstock with live-center taper
- Chip conveyor options quoted with the machine

### Optional configuration

- Control package as quoted
- Bar feeder / automation interface — confirm against blank length and bore
- Additional live-tool holders sized to the BMT55 family

## Request NL403M — pricing, lead time & configuration

buy@fortunepacific.net · www.fortunepacific.net/en/m/NL403M