

# GIN™ Kolibri CNC

GIN™ Kolibri is a 5-axis high precision compact size CNC milling machine. It can mill practically all materials from plastics to titanium and chrome-cobalt. Small in size, Kolibri is a full scale milling machine for versatile CNC needs and efficient high volume manufacturing.

Kolibri uses latest Mitsubishi CNC controller and the most advanced servomotors technology for movement control. Programs can be transferred to Kolibri machine through Memory card, USB or LAN.



## BENEFITS

### Compact size

Requires only a small footprint, 1.3 sqm  
Easy to move around

### Environmentally friendly

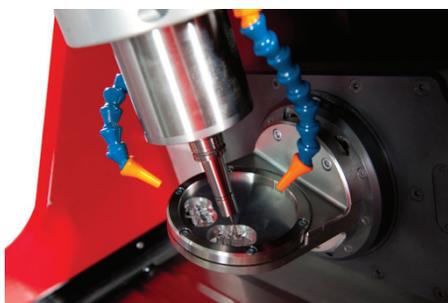
Low energy consumption, max 3.4 kW  
Minimum amount of lubrication required, 0.01 l/h

### Fast and efficient

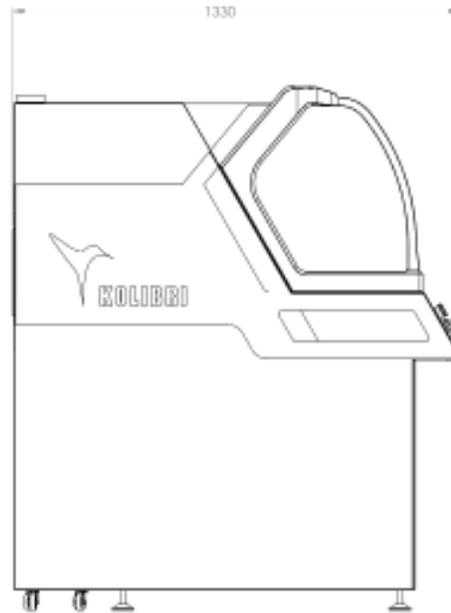
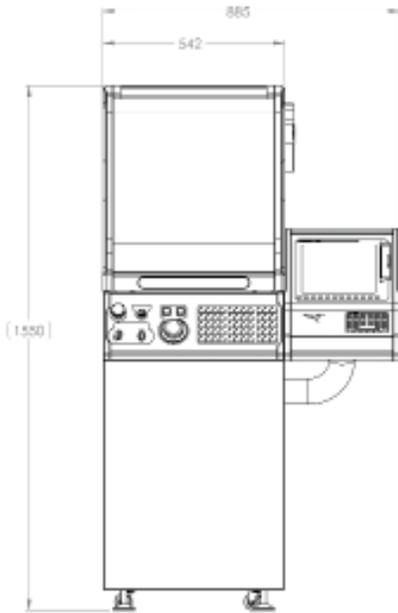
Maximum production capacity per sqm  
Multiple shapes with only one fixing  
High speed spindle (HSM)

### High accuracy

0.005 mm repeatable precision



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## Technical Data:

- Power supply 230 VAC 3~ 50 Hz
- Compressed air pressure 6 bar, 300 l/min.
- Total weight approx. 600 kg
- Adjustable legs
- Rapid movement up to 15 m/min.
- Precision level 0.005 mm.

## Kolibri Movement Range (X, Y, Z)

- 260 x 420 x 160
- A-axis +/- 120 degrees
- C-axis n x 360 degrees

## Servomotors

- X, Y, Z- axes 400W /axis
- A-, C-axes 100W / axis

## Control System Mitsubishi M730 VS

- 4+1 axes CNC control
  - Continuous 4-axis drive
  - ISO code (G-code), Kolibri post processor
- or

## Control System Mitsubishi M750 VS

- 5 axes CNC control
- Continuous 5-axis drive
- ISO code (G-code), Kolibri post processor

## Options

- 3-axis table with
  - Serial fastening or
  - Connectors for pneumatics
- Spindles
  - Alfred Jäger Z80 spindle, 5000 – 50000 rpm / 2.0 kW
  - Other spindles available according to request
- Oil mist lubrication system
  - Periodic dosage + continues pneumatics
  - Consumption of lubrication only 0.01 l/h
  - Dosage control by M-code
- Automatic tool changer
  - Up to 22 tools
- Chip removal and bin
  - Screw, belt conveyor or vacuum
- Remote control system