

MAZAK

VARIAXIS i-800

Stock no. :1022-H09062

MACHINE-DATA

Machinetype : Machining Center - Universal
Make : MAZAK
Type : VARIAXIS i-800
Year : 10-2020
Control type : CNC
Control : Smooth X-Steuerung
Storage location : Germany
Origin : Japan
Delivery time : Immediately
Quotation : Ex Works
Price : on request



TECHNICAL DATA

x-travel	730 mm
y-travel	800 mm
z-travel	560 mm
Control	Smooth X-Steuerung

TECHNICAL DESCRIPTION

For sale is a production cell consisting of:

1 x MAZAK VARIAXIS i-800
1 x MAZAK VC PRIMOS 400 L
1 x CELLRO ELEVATE with FANUC

MAZAK VARIAXIS i-800
5-axis machining center
Year of manufacture
October 2020
Commissioned in 2021



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VARIAXIS i-800

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Smooth X control

Pallet changer, 2 pallets

5-axis simultaneous machining

Travels:

X-axis: 730 mm

Y-axis: 800 mm

Z-axis: 560 mm

A-axis: -120° to +30°

C-axis: ±360°

Rapid traverse (X/Y/Z): 42 m/min

Rapid traverse (A/C): 50 rpm

Max. spindle speed: 10,000 rpm

SK-50 spindle taper, DIN 69871

-Tool magazine for 120 tools

-Preparation for hydraulic clamping including pallet clamping function

-Automatic pallet changer

-Electronic handwheel

-Panel for Euchner Tool ID

-Air flow through rotating spindle

-Coolant gun

-Knoll coolant system KF400/2300

-Paper band filter

-Preparation for 70 bar

-High-pressure pump 70 bar

-Knoll chip conveyor

-Renishaw NC4 laser

-Air blow-off at the NC4 laser

-Mazak Monitoring B, including Renishaw RMP600 probe

-Tool breakage monitoring (TBR) & Mazak Monitoring System (MMS) EIA/ISO program – macro

-Automatic workpiece coolant flushing at the pallet changer

-Workpiece zero point offset under EIA/ISO

-Mazak API

-Smoothly synchronized Thread cutting

- Drilling cycle with torque-dependent chip breaking



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- Engraving function
 - Maximum program size: 8 MB
 - Rapid traverse with constant tilt angle
 - Robot interface (Advance/Profibus)

MAZAK VC PRIMOS 400 L
Vertical machining center
Year of manufacture 2020, installed 2021

Mazatrol Smooth C

Travels

X: 500 mm

Y: 400 mm

Z: 350 mm

Table size: 600 x 400 mm

Max. table load: 300 kg

Milling spindle AC 11 kW

Max. spindle speed: 12,000 rpm

14 tools, BT30

- 2 hydraulic connections
- Automatic door
- Oil mist lubrication
- Signal light
- Airflow through rotating spindle
- Mazak Monitoring B, incl. Renishaw OMP40 touch probe

- Synchronized thread cutting
- Drilling cycle with torque-dependent chip breaking
- Rapid traverse with constant tilt angle
- Robot interface (Advance/Profibus)
- Profibus DP

CELLRO ELEVATE E-110-165

Robot cell with parts storage

Elevate W 2000 mm – H 4000 mm

Fanuc robot R-2000 165F iC

Fanuc robot max. payload: 165 kg

max. handling weight: 90 kg

Automatic gripper change system

Manual gripping force control



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I/O module gripper magazine

Internal valve manifold

Modem for remote maintenance

Safety fence with gate and request button

PREMIUM controls

High-quality dialog control via touchscreen

Including robot software options:

High-sensitivity collision detection

Auto singularity avoidance

Soft float

DCS position Speed ??Check Function

Workpiece Rotary Station

Workpiece Measuring Station with SPC Trays for measuring parts during the process

Air Blow-Out Station

Various Trays 1600 x 550 mm

Loading with extendable tray. Interface for 2 Variaxis i-800s and one VCP400L

For sale is a complete production cell with the capability of 6-sided machining. The production cell consists of a 5-axis Mazak Variaxis i800 machining center, a Mazak VCP400L vertical machining center integrated into a system with a CELLRO robot cell including part storage, robot, measuring station, turning station, and blow-out system.

VIDEO-LINKS

WEB-LINK

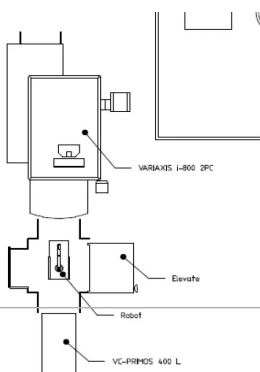
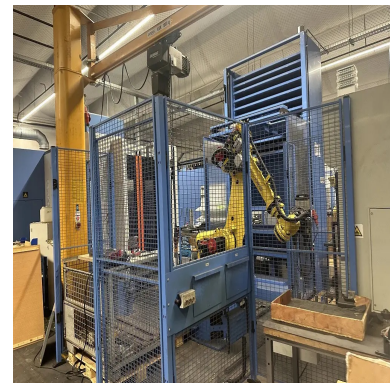
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Technical details and information subject to amendments and errors.

Knops Werkzeugmaschinen GmbH & Co. KG

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