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Ref. No.:  
1343-24101400

## **Overview and Technical Data:**

# **NTC KFO 650 DD 5-Axis Machine Center**

**NCT**



Year of Build:  
Jan 2019

## **Description:**

# **Used NCT KFO-650 DD 5 Axis machining center**

Technica Data:

## **WORKING AREA:**

- Table size: Ø650mm
- Max. workpiece size: Ø520 x 330mm
- Max. workpiece size: Ø520 x 330mm
- T-slot number x size x distance: 5 x 100 x 18mm
- Table load capacity: 300kg
- Spindle nose distance from table surface: 140-600mm

## AXIS - Ball screws pretensioned and supported in bearings at both ends

- Number and type of X / Y / Z guideways: Hengergörg's (Roller)
- X travel: 620mm
- Y travel: 520mm
- Z travel: 460mm
- B axis:  $- 50^{\circ} / +110^{\circ}$
- C axis:  $360^{\circ}$
- Rapid travel speed max. of X / Y / Z axis: 36 / 36 / 36m/min
- Max. feed rate: 15m/min
- B / C clamping torque: 5000 / 3700Nm
- B / C axis indexing resolution:  $0,001^{\circ}$

## ACCURACY:

- B / C indexing accuracy:  $16'' / 8''' / \text{sec}$
- B / C axis repeatability accuracy:  $8'' / 4''' / \text{sec}$

## SPINDLE:

- Max.speed (standard): 15.000RPM
- Spindle taper size (standard): #40
- Tooling: BIG PLUS SK40

- Drive: Direkt
- Headstock cooling: Oil cooling

#### SPINDLE MOTOR:

- Rated Power (standard): 20 kW
- MAX Power (standard): 29 kW
- Rated torque (standard): 72 Nm
- MAX torque (standard): 106 Nm
- Oilcooler
- Direct drive spindle (W/O belt drive)
- Direct or Motorspindle driven
- Liquid cooled spindle motor Higher torque and longer life
- BIG-PLUS SK40 type tooling
- Headstock thermal stabilization with digital oil cooler
- Spindle bearing protection by compressed air

#### TOOL MAGAZINE:

- Magazine type: Karos
- Number of tool positions: 32 (40 60 opt)
- Max. tool length: 250 (300 opc.) mm
- Max. tool diameter: 75 / 125 mm
- Max. tool weight: 7 kg

#### INSTALLATION :

- Floor space x height: 4250 x 4120 x 2980 mm
- Net machine weight: 8500 kg

- Power Consumption:45
- Electrical connection: 3 x 400 VAC VA
- Air connection: 6 g/cm<sup>2</sup>

#### STANDARD ACCESSORIES:

- Arm type, ATC
- Spindle bearing protection by compressed air
- Levelling pads and bolts
- Three colour status lamp
- Light for working area
- Double LED lights
- Chip conveyor and trolley
- Air cooling
- Watergun operated by push button
- Airgun connection

#### CONTROL AND ELECTRONICS:

- NCT 304 Controller 19" touchscreen
- External swing-aside control panel
- External handwheel
- HEIDENHAIN Direct measuring system (absolute)

## CONSTRUCTION:

- Heavy cast iron bed, column and slides
- Mounted, precision, roller type (R) bearing linear guideway on all axis
- Without counterweight
- TABLE:
- Integrated two axis rotary table
- Direkt Drive (DD) rotary table
- TORQUE motor driven (DD) Rotary table MILL / TURN function
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## MAGAZINE:

- Chain type magazine with arm toolchanger, separated from the working space
- EnDat 2.2 absolute measuring system, 0,00005 mm positioning resolution and nano interpolation
- 3+2D, or 5D CNC control

## Technical Data:

### Technical Data:

Control:

[TNC 530](#)

Spindle Speed:

15.000 rpm

Tool Holder:

[SK40](#)

Tool Capacity:

32 x

## Travels:

X-Axis:

620 mm

Y-Axis:

520mm

Z-Axis:

460 mm

## Dimensions and Weight:

Height:

2.980 mm

Width:

4.120 mm

Length:

4.250 mm

Weight:

9.000 kg

## **Buyer Information:**

Condition:

[Very good condition](#)

Availability:

[Immediately](#)

Sold as:

[EXW \(Ex Works - Incoterm\)](#)

VAT:

[19 %](#)

Buyers Premium:

[18 %](#)

Location:

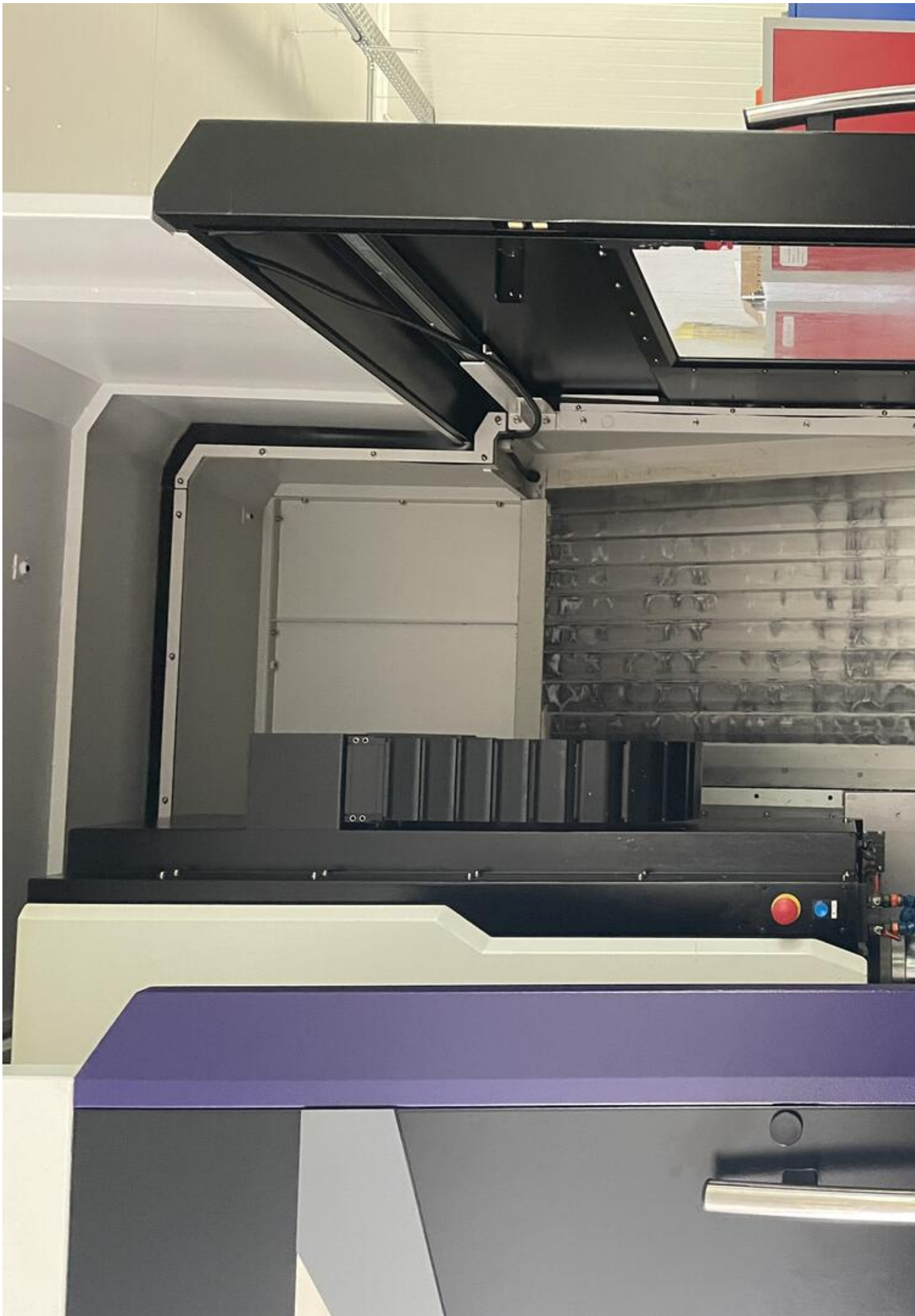
Hungary

## **Images:**

KFO-650DD









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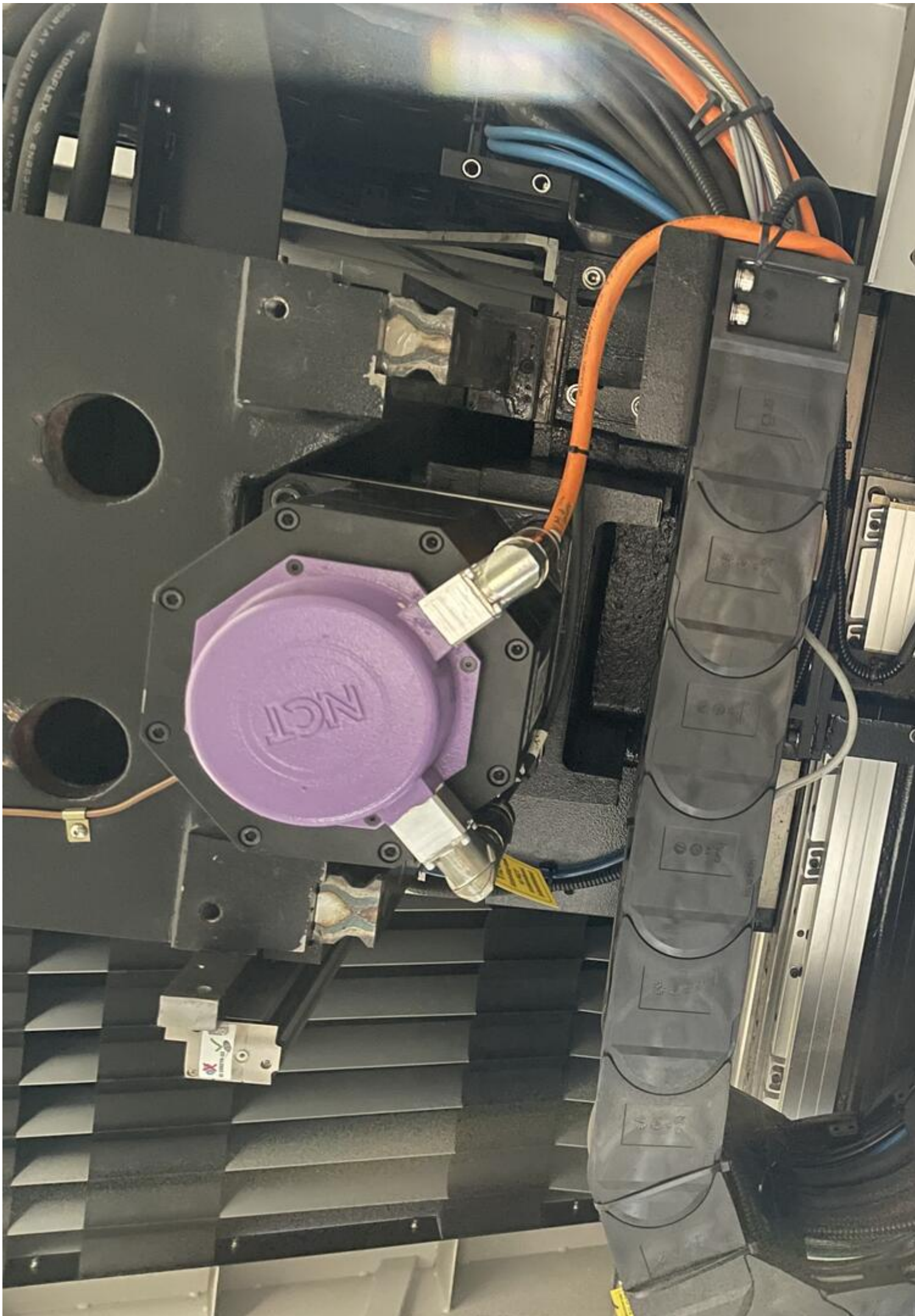
KFO-650DD





















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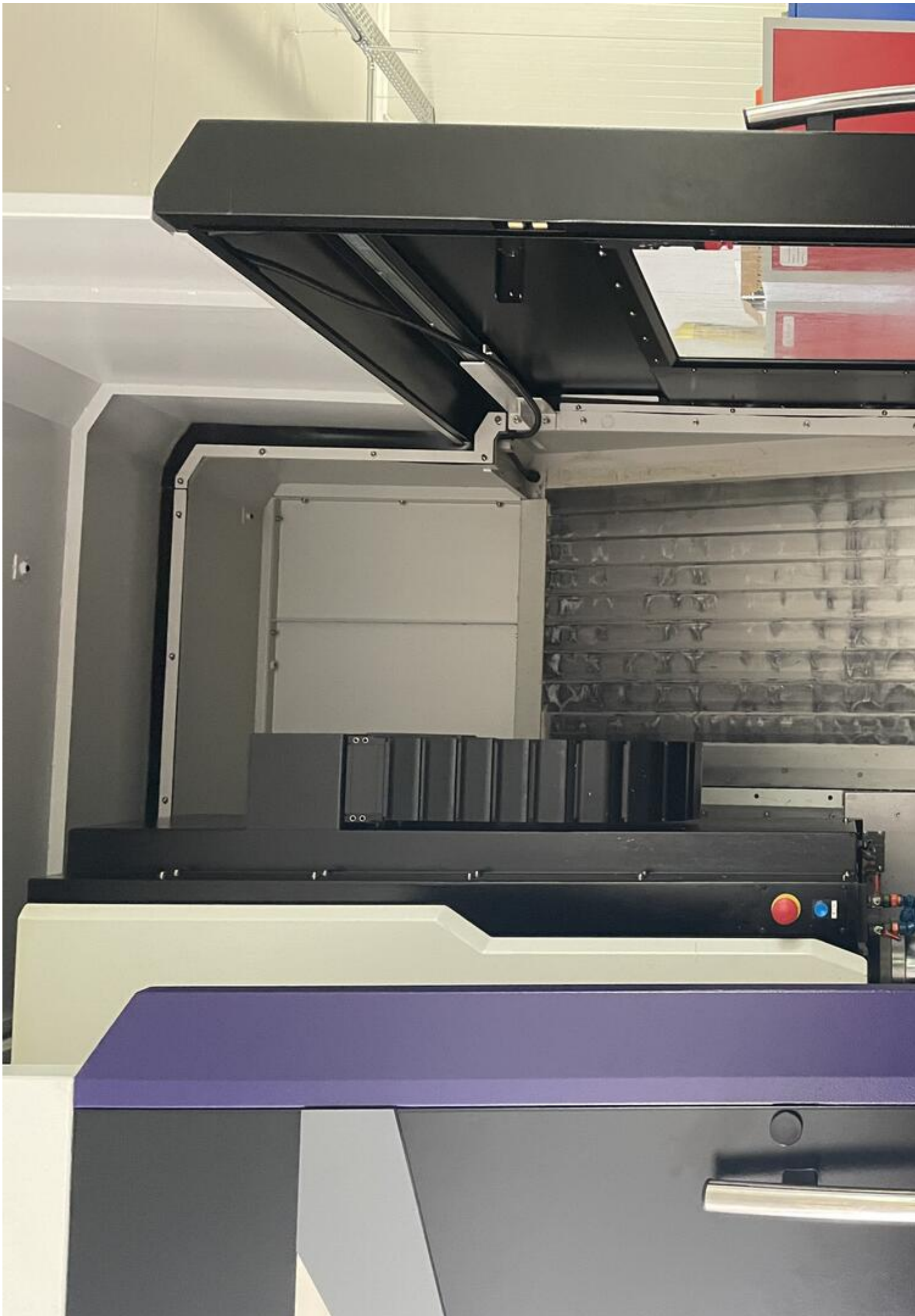
Location:  
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**Images:**

KFO-650DD









NC

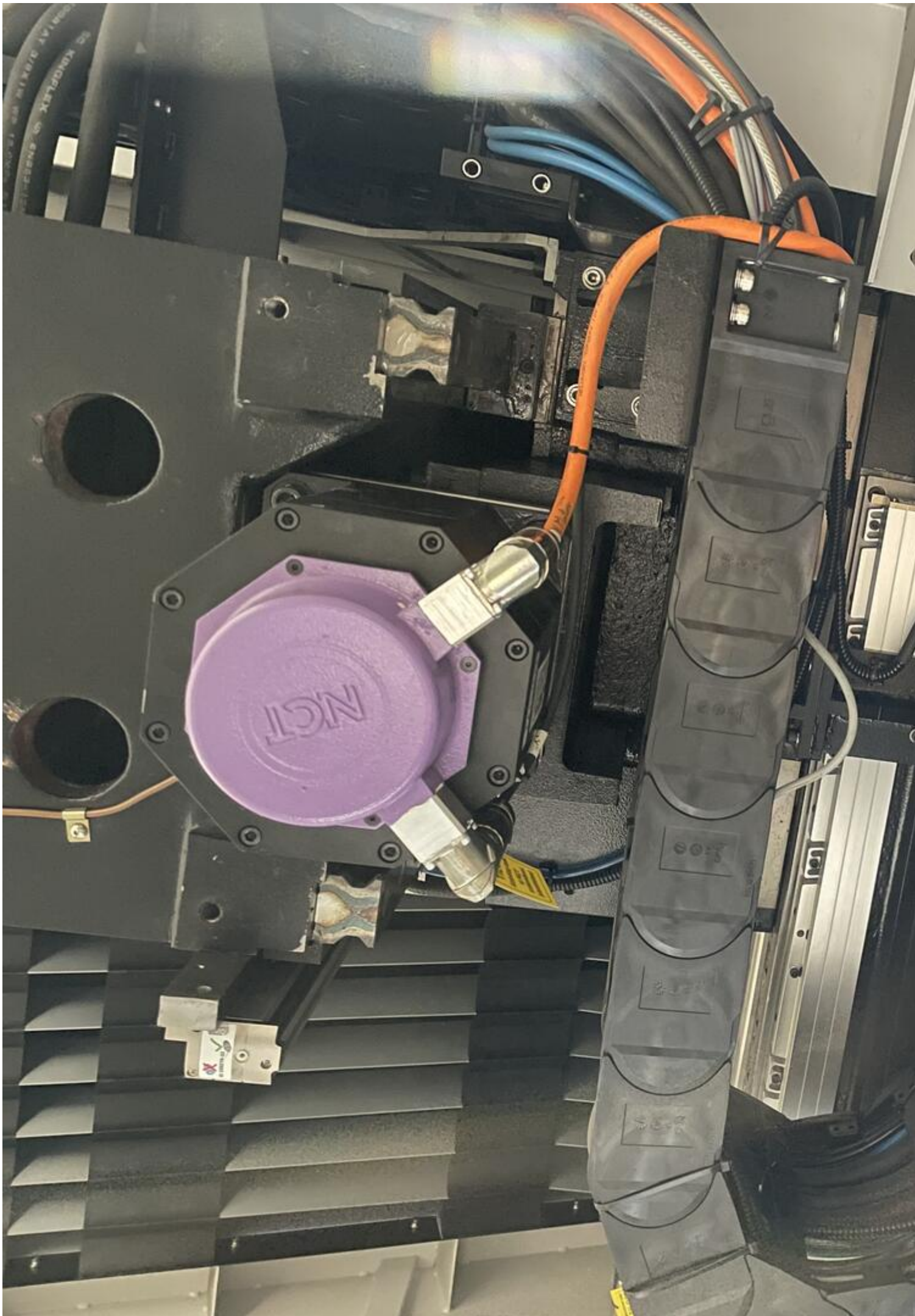
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