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Ref. No.:

837-09151726

Overview and Technical Data:

BROTHER - TC-31a VMC

BROTHER

Year of Build:

Nov 1997

Description:

Used Brother TC-31A CNC High Speed CNC Drill/Tap Vertical Machining Center

Control system: Brother CNC-A00

- Total On 43.414 hours
- Running Time 19.935 hours
- Operating Time 9.015 hours

Technical Data

- X axis travel: 350 mm (13.8")
- Y axis travel: 250 mm (9.8")
- Z axis travel: 350 mm (13.8")
- Work table size: 500x270 mm (21.65"x13.77")
- Max. Load Weight: 80kg (176 lbs.)
- Spindle speed: 16 - 16000 rpm
- Spindle Drive: 7.5 HP/5 HP
- Tool storage capacity: 26 pcs
- Spindle Taper: BT30
- Rapid Traverse: 50m/min (1968 IPM)
- Feed Rate: 0,05 - 20 [m/min]
- Tool change time:0,7 sec
- Chip to chip 1.7 sec
- Length x width x height 1397 mm × 2895.6 mm × 2235.2 mm

Technical Data:

Technical Data:

Control:

[CNC](#)

Machine Hours:

43.414 hrs.

Spindle Hours:

9.015 hrs.

Spindle Speed:

16.000 rpm

Tool Capacity:

26 x

Travels:

X-Axis:

350 mm

Y-Axis:

250mm

Z-Axis:

350 mm

Dimensions and Weight:

Height:

2.235 mm

Width:

2.896 mm

Length:

1.397 mm

Weight:

2.100 kg

Buyer Information:

Condition:

[Very good condition](#)

Availability:

[On Request](#)

Sold as:

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

VAT:

[19 %](#)

Buyers Premium:

[16 %](#)

Location:

Germany

Images:

brot

TC-

CNC TAPPING



brother

Masch. Nr. 15.1

(PROGRAMM 0001) SPEICHER
- (NULL PAL1 07.02.01);
(G10G90L20P1X-115, 910Y-206, 650Z136, 600
(M98 P104);
(N1);
(G10G90L20P1X-240, 940Y-206, 650Z136, 600
(M98 P105);
G10G90L20P1X-200, 770Y-92, 650Z215, 300;
M98 P27;
M30;

PROGRAMM NR. --

MITTEL
SEQUNZ BLOCK PROGRAM
SUCHE START LISTE

F0 F1 F2 F3 F4

Control panel with function keys (NEXT, F0-F4, STOP), alphanumeric keypad (A-Z, 0-9, ., -, /, ?, SFT), and a MODE section with various machine operation buttons (MANU, MDI, MNR, EDIT, FILING, SPCL, E-STOP, etc.).

Physical controls including a green START button, a pink HOLD button, a green PALLET START button, a rotary switch for RAPID TRAVERSE OVERRIDE (SPEED 1, 2, 3, 100%), a rotary switch for RAMP UP DISTANCE (50, 100, 150), a PROTECT key, a POWER button with a green indicator light, and a yellow EMERGENCY stop button with a red center.

NC 8.8 H18 CON

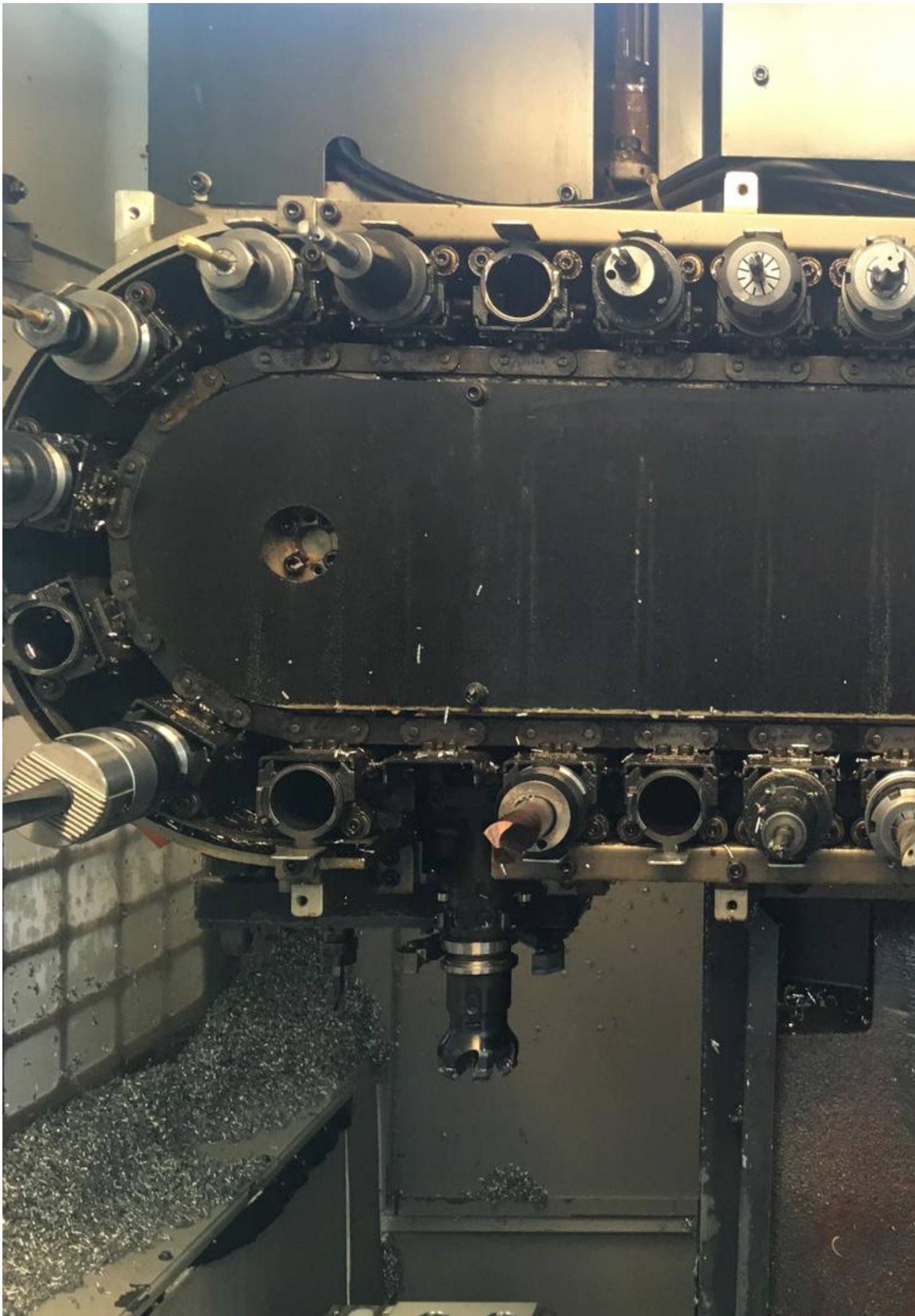
brother
TC-31A
CNC TAPPING CENTER

Control panel for the Brother TC-31A CNC Tapping Center. It features a small LCD screen at the top, a numeric keypad, a function keypad, and several physical buttons and knobs. A yellow emergency stop button is visible. The panel is labeled "DROVER" and "MACH 30.1".



Warning label on the machine. The text is partially obscured by a white cloth. The label includes safety instructions and a warning symbol.







brother

MODEL TC-31A



SER.No. SERIEN- Nr. NUMÉRO DE SÉRIE

1 1 1 4 9 6

DATE BAUJAHR DATE DE FABRICATION

1 9 9 8 - 1 1

MASS
OF MACHINE

MASSE
DER MASCHINE

POIDS
MACHINE
2100 kg

POWER
REQUIREMENTS

SPANNUNGS
VERSORGUNG

ALIMENTATION
ÉLECTRIQUE

3 8 0 V

3 PHASE

50/60 Hz

RATED
MAX.

NENN.
MAX.

NOMINALE
MAXIMUM

9.0 kVA
20.0 kVA

SPINDLE MOTOR
RATED CAPACITY

LEISTUNGS-AUFNAHME
SPINDELMOTOR

PUISSANCE NOMINALE DU
MOTEUR DE BROCHE
7.0 kVA

INTERRUPTING CAPACITY OF
MAIN POWER BREAKER

MAX.KURZSCHLUSSTROM
DES HAUPTSCHALTERS

POUVOIR DE COUPURE DU
DISJONCTEUR PRINCIPAL
2.5 kA

ELECTRICAL DIAGRAM No.

SCHALTPLAN Nr.

SCHÉMA ÉLECTRIQUE N°
675987

BROTHER INDUSTRIES, LTD.

1-1-1, KAWAGISHI, MIZUHOKU, NAGOYA 467 MADE IN JAPAN

31A 16K

Inventar
Nr. 194



Asset-Trade

Assessment and Sale of Used Assets world wide

Am Sonnenhof 16

47800 Krefeld

Germany

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Fax.: +49 2151 65 29 22

Email: info@asset-trade.de

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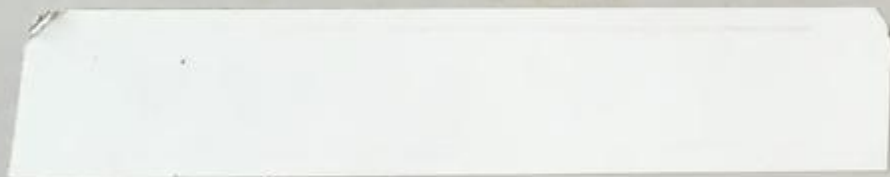
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PROGRAMM NR. --

MITTEL
SEQUNZ BLOCK PROGRAM
SUCHE START LISTE

F0 F1 F2 F3 F4

NEXT F0 F1 F2 F3 F4

MAIN POWER
POWER ALARM
DISPLAY
POS PRGM
MANJ COND MAGAZ
MONTR DATA BANK
ALARM I/O
CLEAR

O N G 7 8 9
U V W 4 5 6
X Y Z
F D H 1 2 3
P Q R 0 . -
M S T / ?

SHFT CURSOR PAGE

MODE
MANU MDI MEN EDIT
ILLING SPCL E-SEA
E-STOP DRW E-STOP
G-STOP WALK FLOW
LTP C-STOP

+X +Y +Z +4
-X -Y -Z -4

START HOLD PALLET SELECT 1 1-2 2
RAPID TRAVERSE OVERRIDE SPEED 1 100%
PROTECT INTERLOCK
POWER
EMERGENCY

NC 8.8 H18 CON1

brother
TC-31A
CNC TAPPING CENTER

LS 8

brother

MANUAL

The control panel features a small monochrome screen at the top, a numeric keypad below it, and a larger alphanumeric keypad. At the bottom, there are several function buttons, including a prominent yellow emergency stop button, and a row of indicator lights.

SAFETY INFORMATION

1. Before starting work, please read the instruction manual carefully.

2. Do not touch the workpiece or tool during operation.

3. Do not touch the spindle or tool holder during operation.

4. Do not touch the workpiece or tool after operation.

5. Do not touch the workpiece or tool when the machine is stopped.

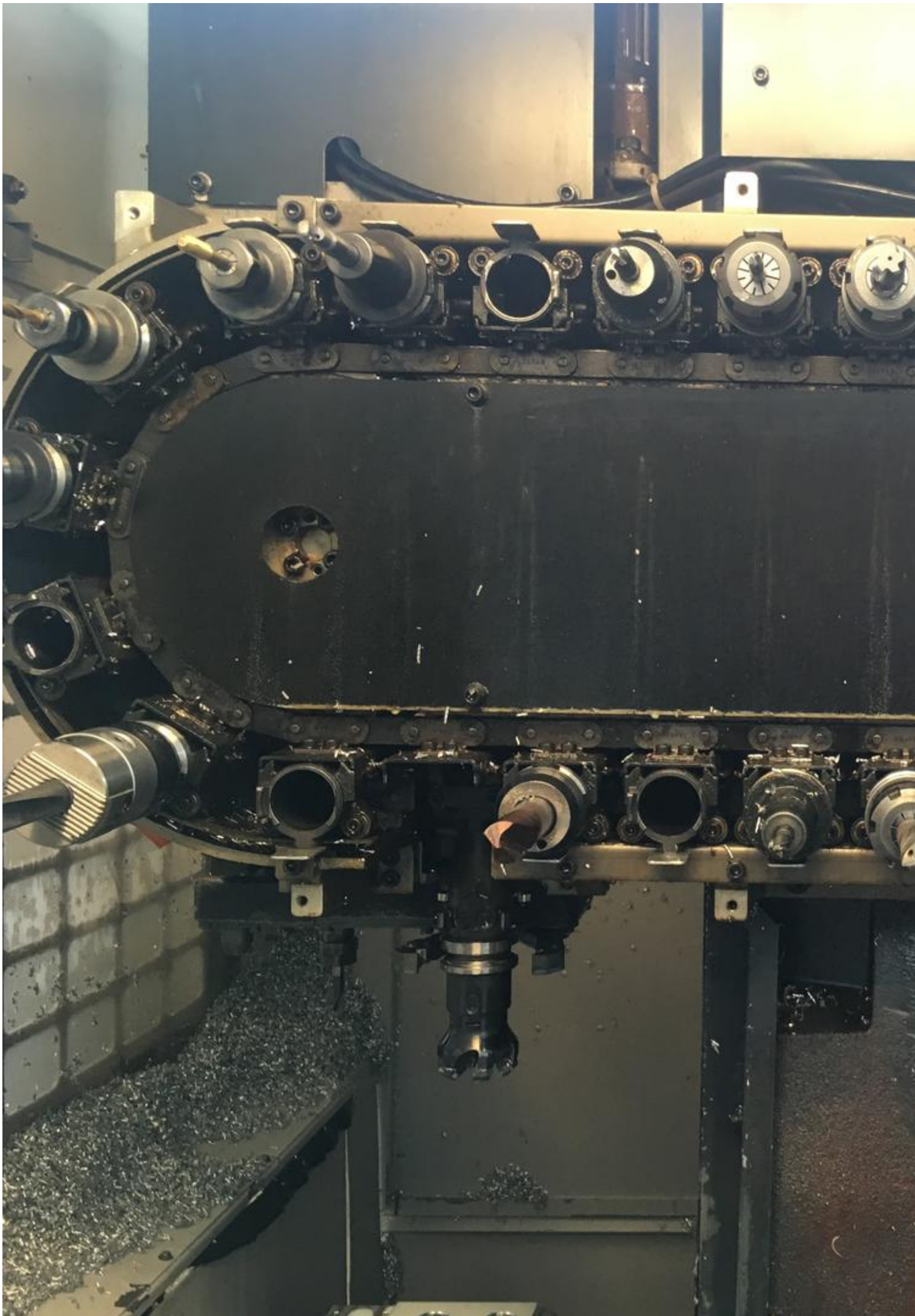
6. Do not touch the workpiece or tool when the machine is in the middle of a cycle.

7. Do not touch the workpiece or tool when the machine is in the middle of a cycle.

8. Do not touch the workpiece or tool when the machine is in the middle of a cycle.

9. Do not touch the workpiece or tool when the machine is in the middle of a cycle.

10. Do not touch the workpiece or tool when the machine is in the middle of a cycle.





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