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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:

brother
TC-31A
CNC TAPPING CENTER

brother

25 8

brother

Model No. 31A

The control panel features a small monochrome screen at the top, followed by a grid of function keys. Below the keypad are several large, color-coded emergency stop buttons (red, yellow, green) and a series of smaller indicator lights and control knobs. A power switch is visible at the bottom of the panel.

ATTENTION

WARNING

CAUTION

SAFETY

OPERATION

MAINTENANCE

REPAIR

REPLACEMENT

REPAIR

REPLACEMENT

REPAIR

REPLACEMENT



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
SEQUENZ BLOCK PROGRAMM
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 SPICA E-SEA
E-STOP E-DRY E-DRY
E-STOP E-DRY E-DRY
E-STOP E-DRY E-DRY

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

START HOLD PALLET SELECT

RAPID TRAVERSE OVERRIDE SPEED 1 2 3 100%

PROTECT INTERLOCK

POWER EMERGENCY

NC 8.8 H13 CON1

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TC-31A
CNC TAPPING CENTER

LS 8

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Model No. 31

The control panel features a small monochrome screen at the top, a numeric keypad below it, and a larger keypad with function keys. At the bottom, there are several emergency stop buttons (red and yellow) and other control buttons. A blue air hose is connected to the bottom of the panel.

SAFETY INFORMATION

1. Always use proper safety procedures when operating the machine.

2. Do not touch the spindle or tool bit while the machine is running.

3. Do not touch the workpiece or tool bit while the machine is running.

4. Do not touch the tool bit while the machine is running.

5. Do not touch the tool bit while the machine is running.

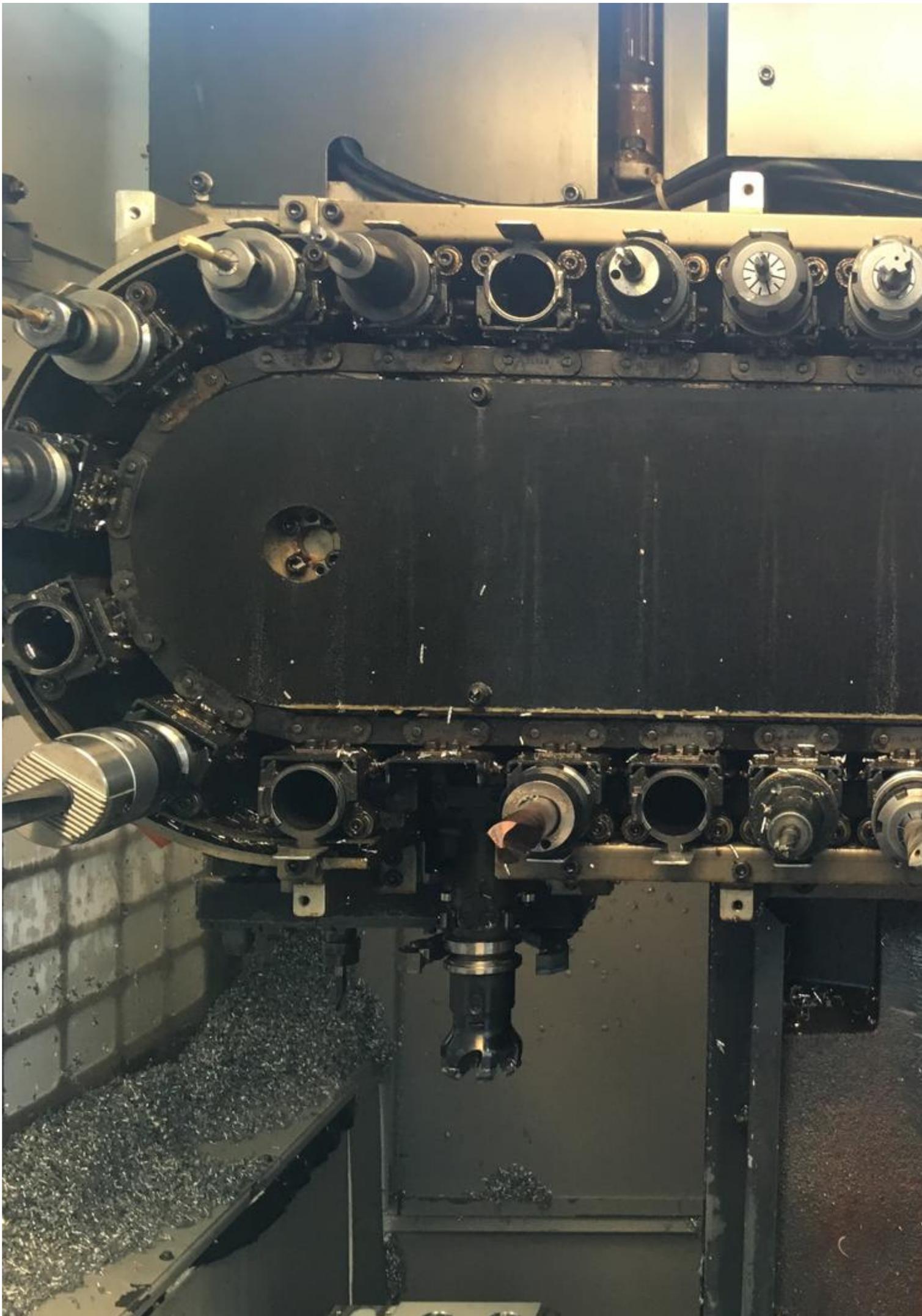
6. Do not touch the tool bit while the machine is running.

7. Do not touch the tool bit while the machine is running.

8. Do not touch the tool bit while the machine is running.

9. Do not touch the tool bit while the machine is running.

10. Do not touch the tool bit while the machine is running.





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 NENN. NOMINALE 9.0 kVA
MAX. MAX. MAXIMUM 20.0 kVA

SPINDLE MOTOR LEISTUNGS-AUFNAHME PUISSANCE NOMINALE DU
RATED CAPACITY SPINDELMOTOR 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

Tel.: +49 2151 32500 33

Fax.: +49 2151 65 29 22

Email: info@asset-trade.de

Web.: <https://www.asset-trade.de/en>

Ref. No.:

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Technical Data:

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Control:

CNC

Machine Hours:

43.414 hrs.

Spindle Hours:
9.015 hrs.
Spindle Speed:
16.000 rpm
Tool Capacity:
26 x

Travels:

X-Axis:
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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:

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TC-31A
CNC TAPPING CENTER

brother

25 8

brother

Model No. 31A

The control panel features a small monochrome screen at the top, a numeric keypad below it, and several function buttons. At the bottom, there are emergency stop buttons (red and yellow) and other control knobs and switches.

ATTENTION

CAUTION

WARNING

SAFETY PRECAUTIONS

1. Before starting the machine, please read the instruction manual.

2. Do not touch the moving parts of the machine.

3. Do not touch the spindle or the tool.

4. Do not touch the workpiece or the chip.

5. Do not touch the coolant.

6. Do not touch the chip.

7. Do not touch the chip.

8. Do not touch the chip.

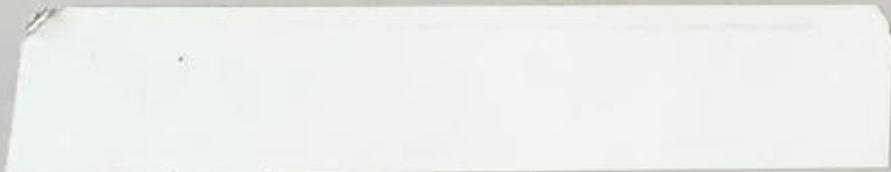
9. Do not touch the chip.

10. Do not touch the chip.

broth

TC-3

CNC TAPPING



brother

Masch. Nr. 15.1

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

PROGRAMM NR. --

SEQUENZ MITTEL PROGRAMM
SUCHE BLOCK START LISTE
F0 F1 F2 F3 F4

Control panel with function keys (NEXT, F0-F4), a numeric keypad (O-N, X-V, F-D, P-Q, M-S, T), and a MODE section with various machine operation buttons like FEED, AUTO, STOP, and coordinate offsets (+X, +Y, +Z, -X, -Y, -Z).

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 INTERLOCK, a green POWER button, and a yellow/red EMERGENCY stop button.

NC 8.8 818 CON

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CNC TAPPING CENTER

LS 8

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MANUAL

The control panel features a small monochrome screen at the top, a numeric keypad below it, and a larger keypad with directional keys. At the bottom, there are several indicator lights (green, red, yellow) and a large emergency stop button (red with a yellow ring). A power switch is also visible.

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 during operation.

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

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

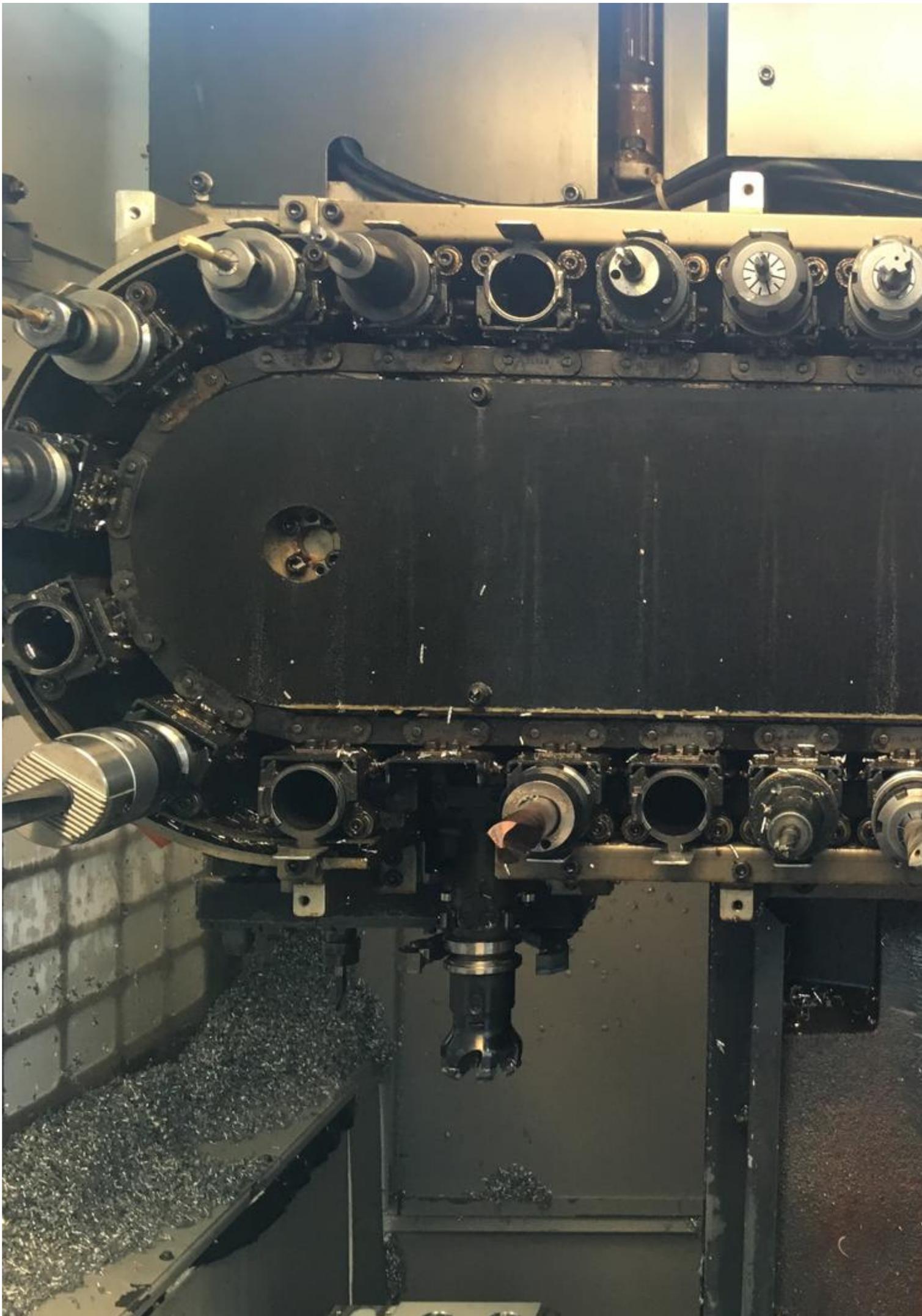
6. Do not touch the workpiece or tool after operation.

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

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

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

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





brother

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