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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:**

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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:

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:**

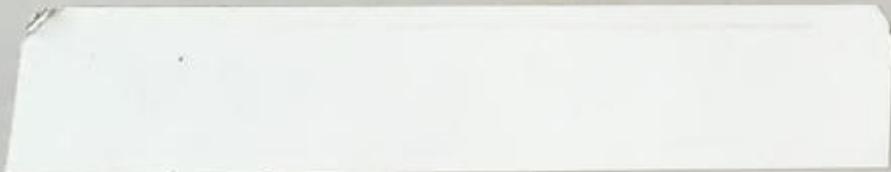




broth

TC-3

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), 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 movement (+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 H18 CON

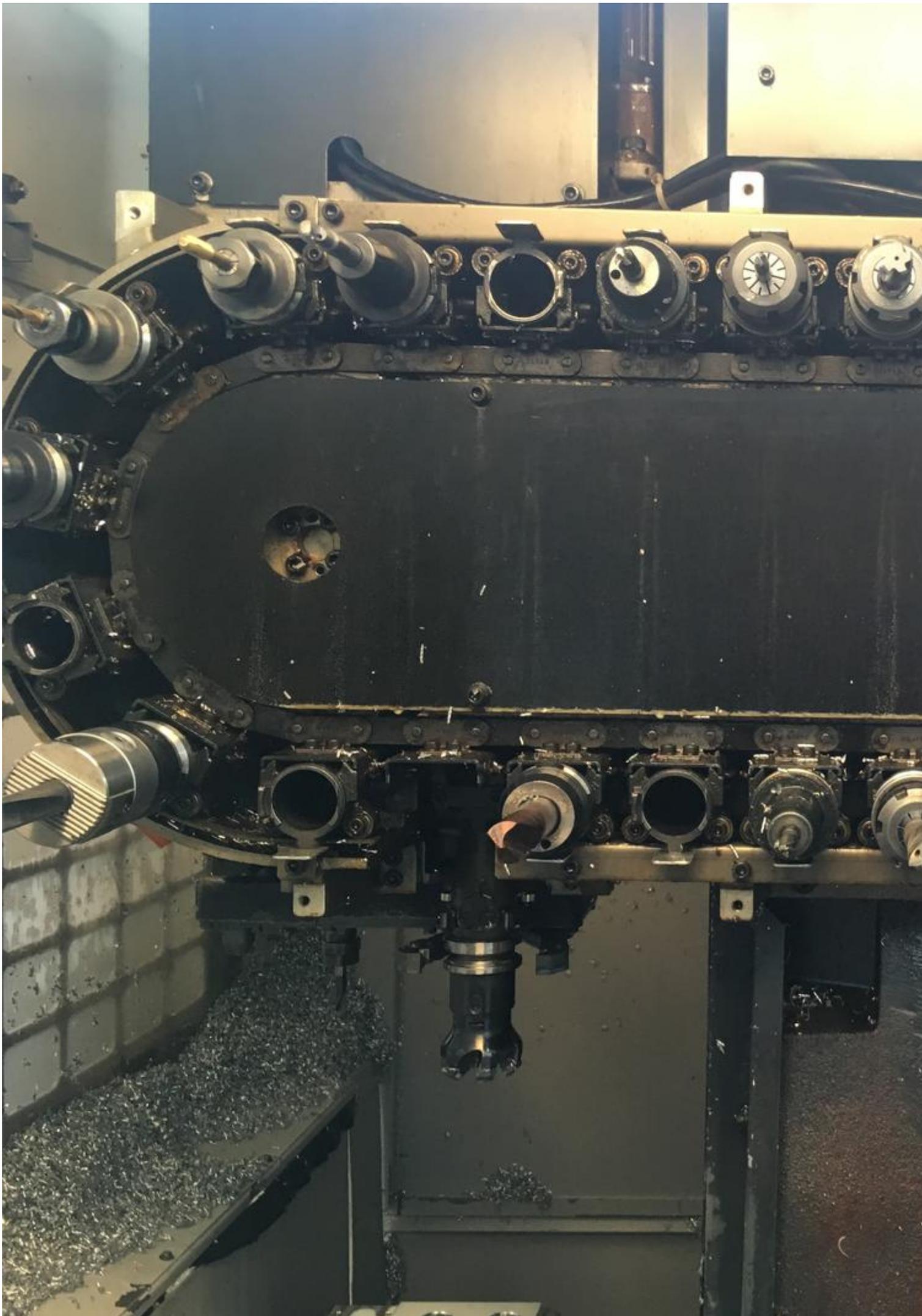


brother  
TC-31A  
CNC TAPPING CENTER

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 on the right side. The panel is labeled 'DROVER' and 'MACH 3.1'.













# 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  
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

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

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[EXW \(Ex Works - Incoterm\)](#)  
VAT:  
[19 %](#)  
Buyers Premium:  
[16 %](#)  
Location:  
Germany

### **Images:**





broth

TC-3

CNC TAPPING









brother  
TC-31A  
CNC TAPPING CENTER

LS 8

brother

Model No. 31

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 emergency stop buttons in red, green, and yellow, along with other function buttons and a power switch.

SAFETY INFORMATION

1. Always use the correct tool and cutting parameters.

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 chip conveyor during operation.

5. Do not touch the coolant system during operation.

6. Do not touch the electrical control panel during operation.

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

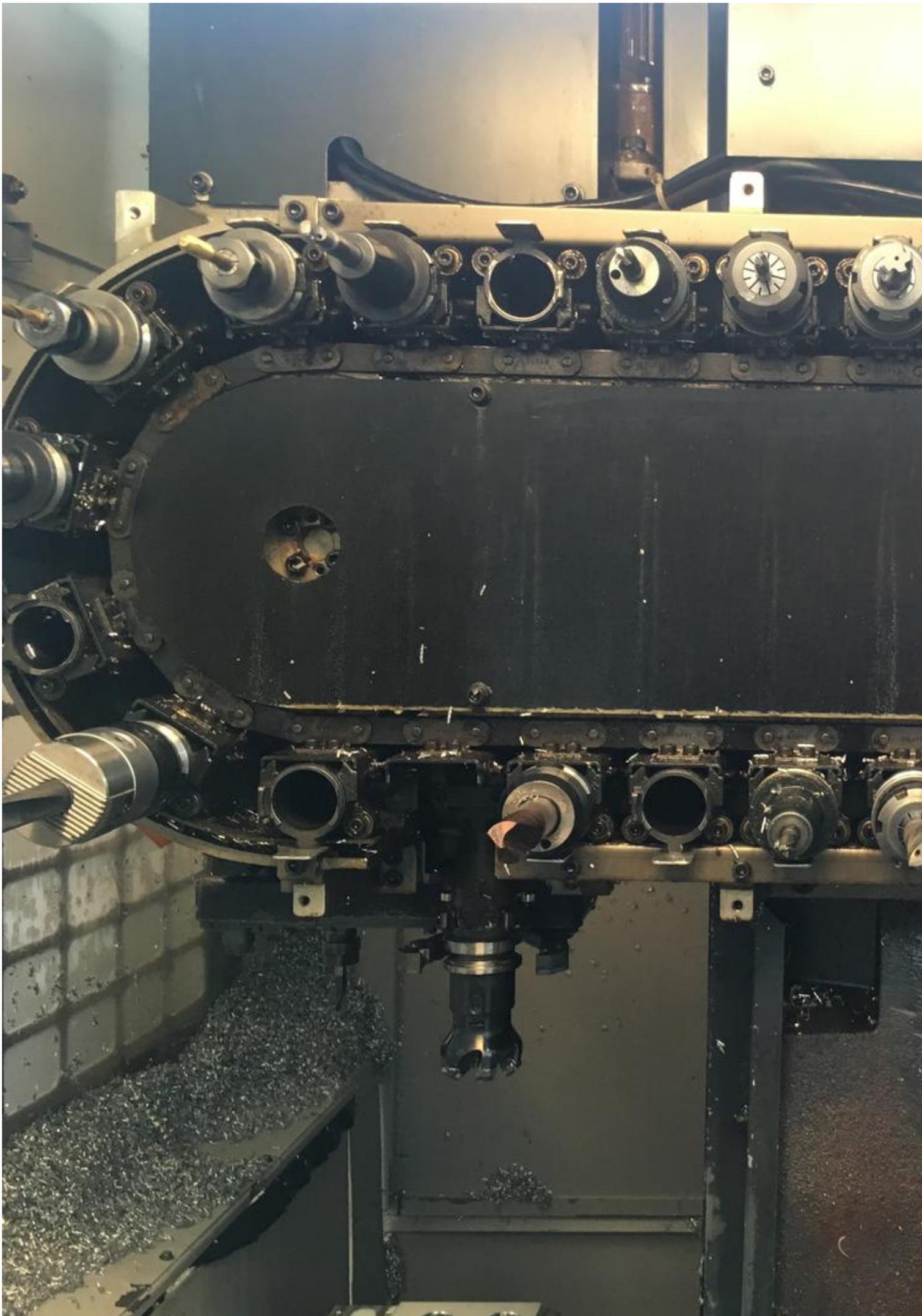
8. Do not touch the spindle or tool holder after operation.

9. Do not touch the chip conveyor after operation.

10. Do not touch the coolant system after operation.

11. Do not touch the electrical control panel after operation.











# brother

MODEL TC-31A



SER.No. SERIEN- Nr. NUMÉRO DE SÉRIE

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DATE BAUJAHR DATE DE FABRICATION

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9.0 kVA

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