

Image not found or type unknown



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. Below it is a numeric keypad with function keys. Further down are several indicator lights (green, red, yellow) and a large yellow emergency stop button. At the bottom, there are several push buttons and a power switch.

WARNING

ATTENTION

CAUTION

SAFETY

OPERATION

MAINTENANCE

REPAIR

REPLACEMENT

REPAIR

REPLACEMENT

REPAIR

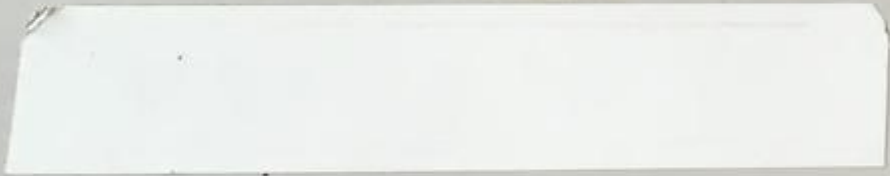
REPLACEMENT



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, 650Z115, 300;
M98 P27;
M30;

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

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

START HOLD
Rapid Traverse Override
SPEED 1 100%
Rapid Traverse Distance
50 100 150
Pallet SELECT 1 1-2 2
OFF

PROTECT
INTERLOCK

POWER
EMERGENCY

NC 8.8 H18 CON

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

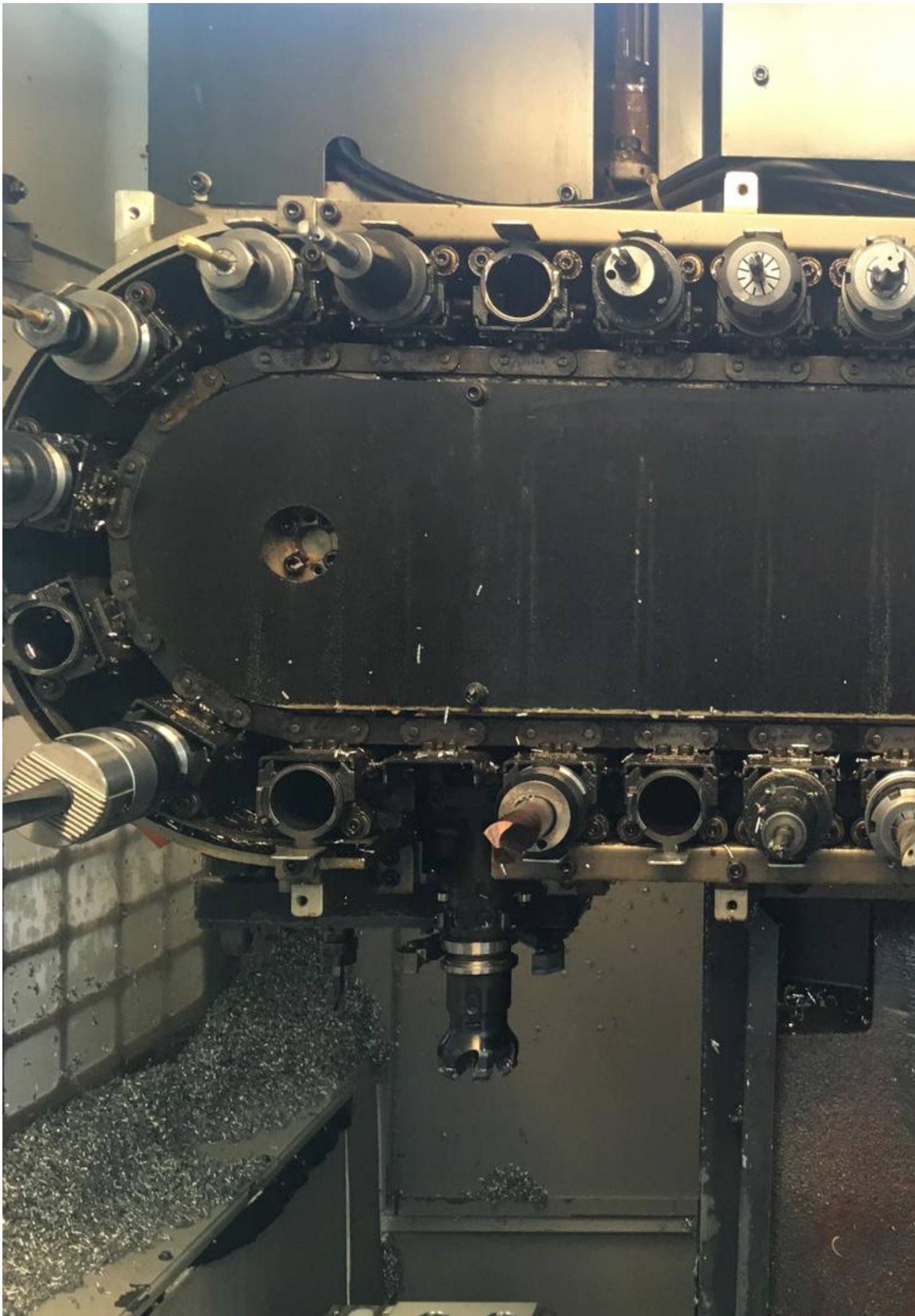
1. Before starting work, please read the instruction manual carefully.

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

3. Do not touch the spindle or tool when the machine is stopped.

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

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





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

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>

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- 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:
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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:

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 alphanumeric keys. Below the keypad are several function buttons, including a prominent yellow emergency stop button. At the bottom of the panel, there are several indicator lights and a power switch.

ATTENTION

CAUTION

WARNING

SAFETY

OPERATION

MAINTENANCE

REPAIR

REPLACEMENT

REPAIR

REPLACEMENT

REPAIR

REPLACEMENT



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;

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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

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

START HOLD
Rapid Traverse Override
SPEED 1 2 3 100%
Rapid Traverse Distance
50 100 150
Pallet SELECT 1 1-2 2
OFF

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 keypad with directional arrows. 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 the tool during operation.

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

4. Do not touch the chip conveyor during operation.

5. Do not touch the chip conveyor during operation.

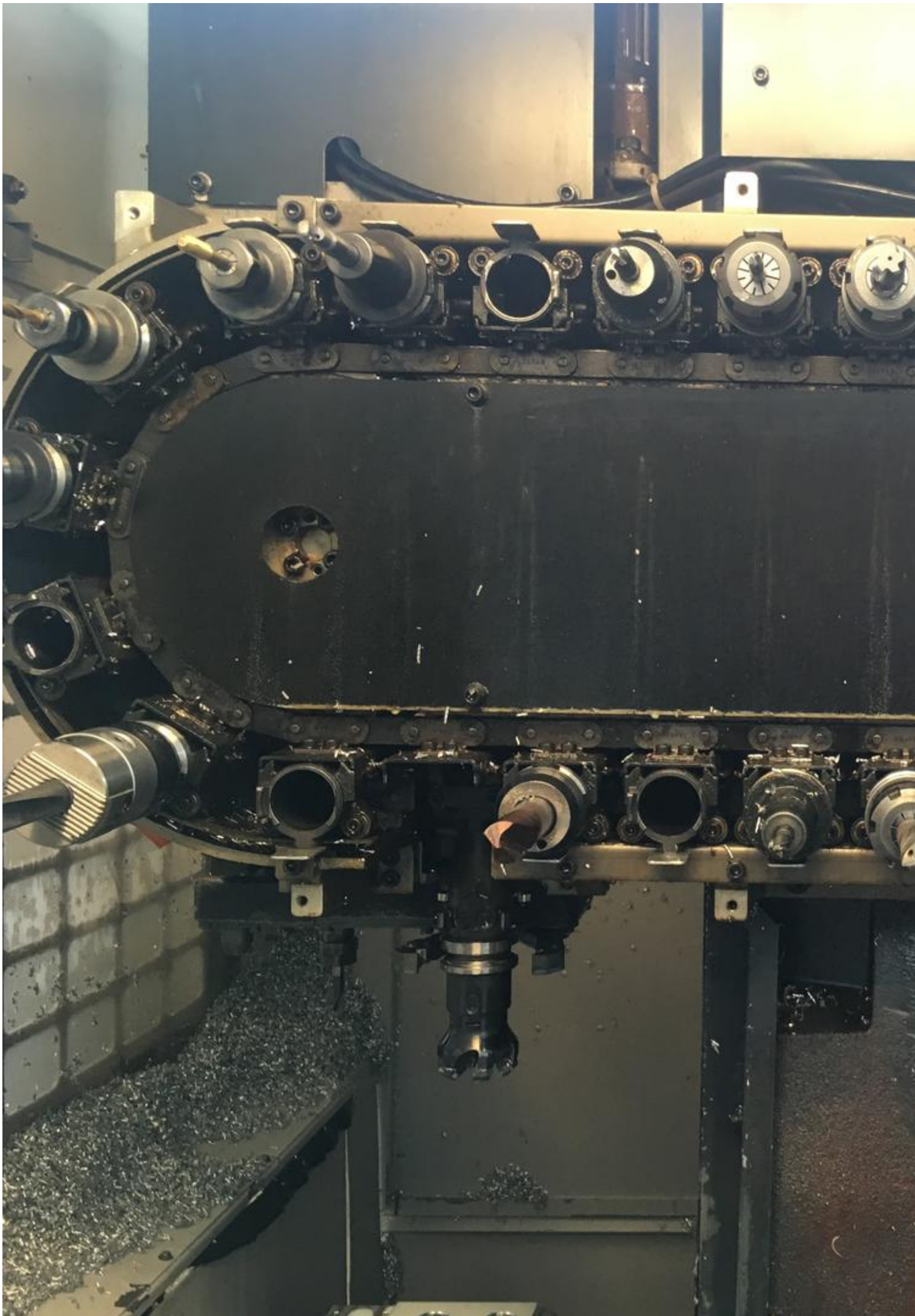
6. Do not touch the chip conveyor during operation.

7. Do not touch the chip conveyor during operation.

8. Do not touch the chip conveyor during operation.

9. Do not touch the chip conveyor during operation.

10. Do not touch the chip conveyor during operation.





brother

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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
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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

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Generated on 04.04.2026

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