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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. --

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, G-C, 7-9, X-V, Y-Z, 4-6, F-D, H-L, 1-3, P-Q, J-R, 0, ., -, M-S, T, /, L, ?), and a MODE section with various machine operation buttons like FEED, AUTO, STOP, and coordinate offsets (+X, +Y, +Z, +4).

Physical controls including a green START button, a pink HOLD button, a green PALLET START button, a black SELECT knob, a black RAPID TRAVERSE OVERRIDE knob, a black PROTECT key, a green POWER button, and a yellow/red EMERGENCY stop button.

NC 8.8 H18 CON

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 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. Always use the correct tooling 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 coolant system during operation.

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

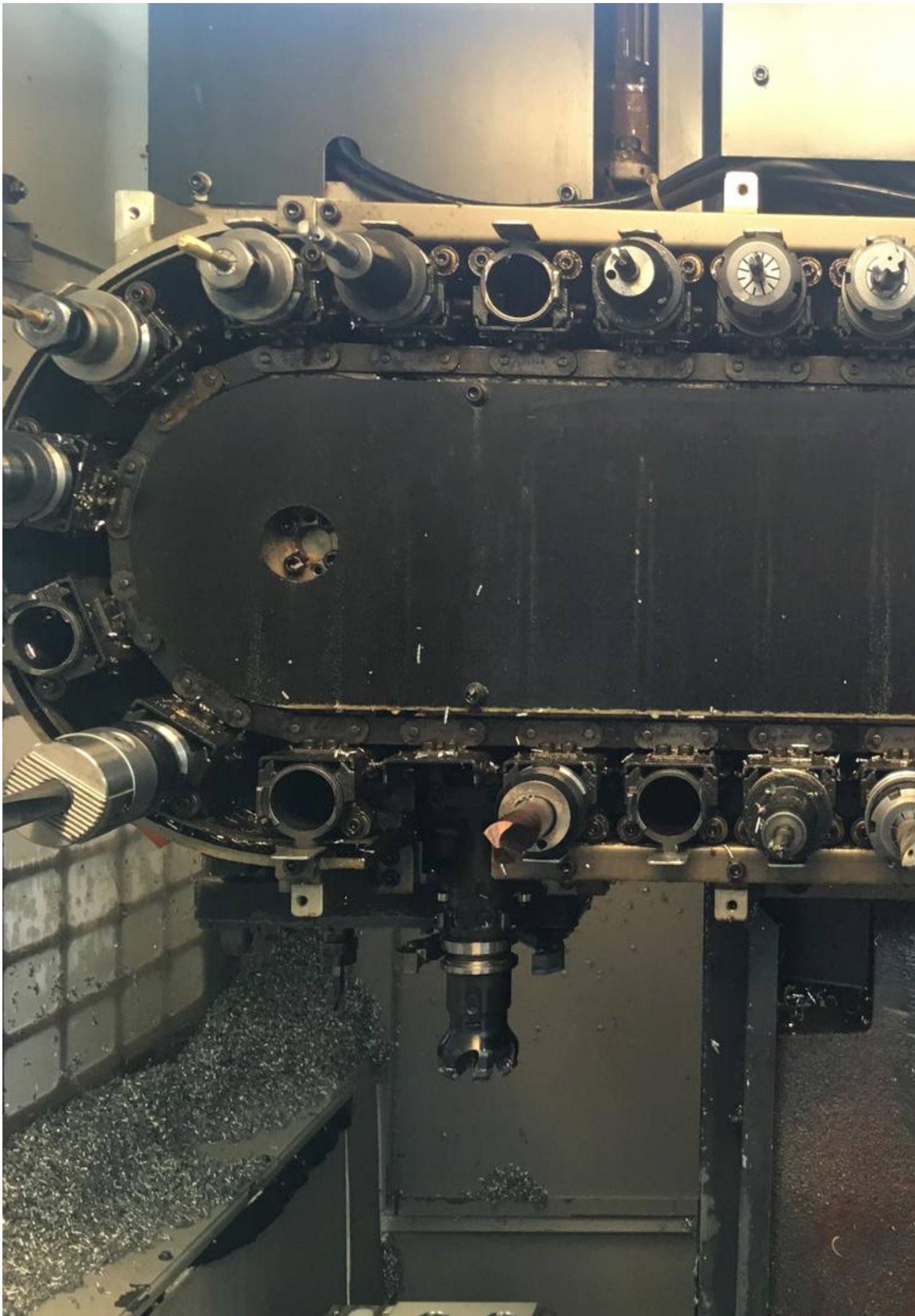
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10. Do not touch the workpiece or tool during operation.





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

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Fax.: +49 2151 65 29 22

Email: info@asset-trade.de

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

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Control:

CNC

Machine Hours:

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Spindle Hours:
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Spindle Speed:
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Tool Capacity:
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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 the screen is a numeric keypad with function keys. Further down are several indicator lights (green, red, yellow) and a set of emergency stop buttons, including a prominent yellow one. At the bottom of the panel, there are several push buttons and a power switch.

SAFETY PRECAUTIONS

ATTENTION

WARNING

CAUTION

READ THE MANUAL

BEFORE OPERATING

THE MACHINE

TO AVOID ACCIDENTS

AND INJURY

PLEASE READ THE

MANUAL CAREFULLY

BEFORE USING

THE MACHINE.

brot

TC-

CNC TAPPING



brother

Masch. Nr. 15.1

```
(PROGRAMM 0001)                               SPEICHERSTELLE
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(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  PROGRAM
SUCHE  START  LISTE

F0 F1 F2 F3 F4
```

Control panel with function keys (NEXT, F0-F4, STOP), 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 black SELECT knob, a black RAPID TRAVERSE OVERRIDE knob, a black INTERLOCK knob, a green POWER button, and a yellow/red EMERGENCY stop button.

NC 8.8 818 CON

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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 function keys. At the bottom, there are several emergency stop buttons in red, green, and yellow, along with other control knobs and switches.

SAFETY INFORMATION

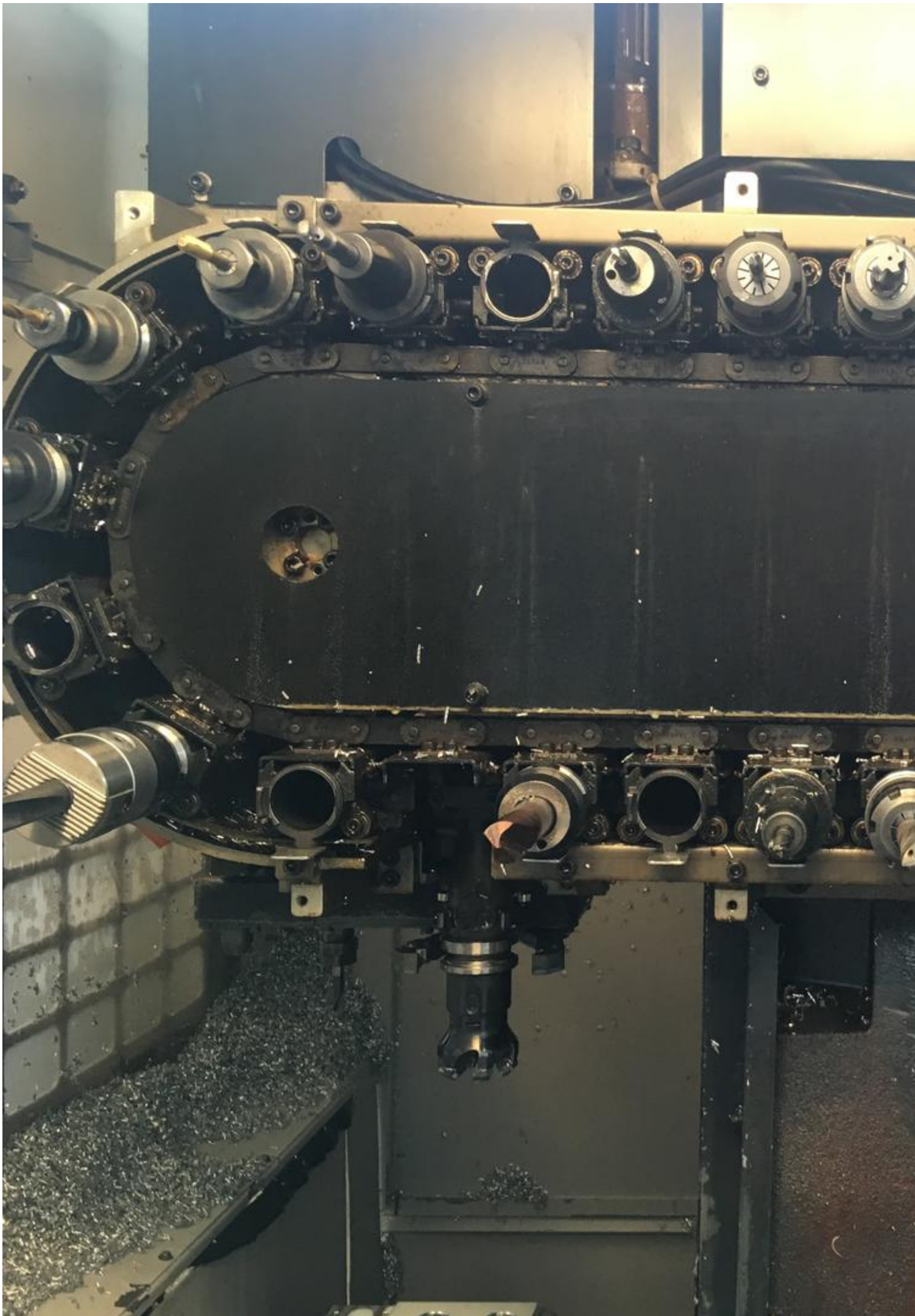
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brother

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
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