

THE FASTEST MACHINES

TECHNICAL CHARACTERISTICS

escomatic by ESCO SA

escomatic.ch

[mm]

∅

8

6.5

6

4

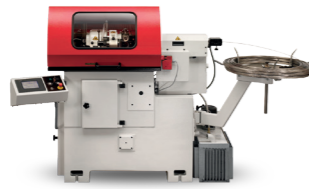
2

0.8

0

SIMPLE

COMPLEX



D2 FLEXSPEED

- Cam driven machine assisted by Programmable Control Unit
- Ideal performance for high volume
- Best price/performance ratio



D2/D5 CNC

- Same performances as cam machines D2/D5
- CNC flexibility
- Ease of programming



D5 ULTRA

- Speed of the escomatic principle
- Front, back and transverse machining
- "The" solution to replace your old cam machines



D5 TWIN

- Dual front pick-up system
- The "transfer" solution applied to lathe
- Cycle times never seen on a lathe (3 parts are machined simultaneously)



NM 6 FLEXI

- The escomatic principle with 4 turning tools and all the solutions for front, back and transverse machining
- C axis and Y axis
- Performance and machining complexity combined



NM 6 TWIN

- The escomatic concept with 4 turning tools and up to 2x8 back machining units for back and cross machining
- C axis and Y axis
- TWIN machining units (3 parts are machined simultaneously)



NM 8 FLEXI

- The escomatic principle up to 8mm
- 2 tools simultaneously turning
- C axis and Y axis
- Coil material with straightener and/or bar material
- Power and speed

5 mm

80 mm

2

8'000 min⁻¹

1

-

-

-

-

-

-

-

-

-

-

-

4 mm

80 mm

2

12'000 min⁻¹

1

-

-

D5:3

D5:2

D5:18'000 min⁻¹

2/5

ESCO oem

4 mm

80 mm

2

12'000 min⁻¹

1

1

3

3

18'000 min⁻¹

8

Fanuc Oi-TB

4 mm

80 mm

2

12'000 min⁻¹

2

2

-

2x3

18'000 min⁻¹

10

ESCO oem

6.5 mm

150 mm

4

10'000 min⁻¹ (12'000 min⁻¹ in option)

-

1

10'000 min⁻¹

4

6

15'000 min⁻¹

7

Fanuc Oi-TF

6.5 mm

150 mm

4

10'000 min⁻¹ (12'000 min⁻¹ in option)

-

2

10'000 min⁻¹

-

6+6

15'000 min⁻¹

10

Fanuc 31iB

8 mm

150 mm

4 (2 simultaneously)

8'000 min⁻¹

-

1

10'000 min⁻¹

4

6

15'000 min⁻¹

8

Fanuc Oi-TF

TECHNICAL SPECIFICATIONS

Max. material diameter	5 mm	4 mm	4 mm	4 mm	6.5 mm	6.5 mm	8 mm
Max. workpiece length	80 mm	80 mm	80 mm	80 mm	150 mm	150 mm	150 mm
Number of cutting tools (simultaneous)	2	2	2	2	4	4	4 (2 simultaneously)
Max. tool head speed	8'000 min ⁻¹	12'000 min ⁻¹	12'000 min ⁻¹	12'000 min ⁻¹	10'000 min ⁻¹ (12'000 min ⁻¹ in option)	10'000 min ⁻¹ (12'000 min ⁻¹ in option)	8'000 min ⁻¹
Counter collet	1	1	1	2	-	-	-
Counter spindle with C-axis (option)	-	-	1	2	1	2	1
Counter spindle / C-axis speed	-	-	10'000 min ⁻¹	10'000 min ⁻¹	10'000 min ⁻¹	10'000 min ⁻¹	10'000 min ⁻¹
Max. number of front machining operations	-	D5:3	3	-	4	-	4
Max. number of back machining operations	-	D5:2	3	2x3	6	6+6	6
Max. speed of powered tools	-	D5:18'000 min ⁻¹	18'000 min ⁻¹	18'000 min ⁻¹	15'000 min ⁻¹	15'000 min ⁻¹	15'000 min ⁻¹
Number of axis	-	2/5	8	10	7	10	8
Numerical control	-	ESCO oem	Fanuc Oi-TB	ESCO oem	Fanuc Oi-TF	Fanuc 31iB	Fanuc Oi-TF

Modifications reserved