

IS400 VOLUME

Product Data Sheet

FT2 - 12.98

Technical Characteristics

Mechanical Characteristics

Machine

Size	mm	900 x 615 x 840
Net weight	kg	90
Max. engraving area	mm	305 x 210

Packaging

Overall size	mm	1010 x 735 x 645
Weight (packaging + machine)	kg	115

Vice

Max. length	mm	Unlimited x 370
Maximum object weight	kg	20
Max. opening	mm	230
Height of jaws	mm	76
Spindle and jig clearance	mm	305

Standard spindle

Tool

Type		Rotating, top-loading
Diameter	mm	4.36
	inches	11/64
Max. rotation speed	tr/min.	20000

Spindle displacement speed

Off-load travelling speed	mm/s	59
Working speed up to	mm/s	35

Spindle travel

in Z direction	mm	40
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Max. precision

X	mm	0.0127
Y	mm	0.0127
Z	mm	0.0127

Levelness

X	mm	0.2
Y	mm	0.2

Free field sound signal to operator's stand/s according to norm ISO 11201. (* according to Gravograph standard)

off-load*	LAeq	db(A)	< 72 ± 1
nominal engraving*	LAeq	db(A)	80 ± 2
nominal engraving peak*	Lp Cpeak	db(C)	< 95

Environment * according to norm EN60721

Operational temperature*	- Min.	°C	+5
	- Max.	°C	+40
Storage temperature *	- Mini.	°C	-5
	- Maxi	°C	+45
Degree of moisture when in use	%		20 to 80

Electrical Characteristics**Frame**

Power supply	V	100 - 120 / 230
Max. absorbed current	A	0.8 / 0.3
Frequency	Hz	50 - 60 / 50
Output	W	25
Insulation	Classe	1
Type of service		S3
Type of protection	220 V	2 fuses 5 x 20 mm 315 mA F1T
	110 V	2 fuses 5 x 20 mm 0.8 A F1T
Degree of protection		IP40

Machine

Power supply	V	100 - 240
Max. absorbed current	A	3.5
Frequency	Hz	50 - 60
Output	W	300
Insulation	Classe	1
Type of service		S1
Electromagnetic compatibility	Emission :	norm NF EN 50081-1 (residential environment)
	Immunity :	norm NF EN 50082-2 (industrial environment)
Type of protection		Fuse 5 x 20 mm 4A F1T
Degree of protection		IP40

Spindle motor

Type		Continuous current
Output	W	75
Absorbed current	A	2.5
Speed	tr/min.	3700-7500

Displacement motor

Stepper motor	step/revs	200
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Electronic Characteristics**Electronic cards****UC board**

Type of microprocessor		MOTOROLA 68000
Clock	MHz	10
RAM	Mo	2
EPROM Flash	Ko	512

Power board

Supply	V	5 / 13.5 / 12 / 24
	A	1 / 0,8 / 0,1 / 2,1
	W	5 / 11 / 1,2 / 50
Spindle motor	V	17 - 35
	W	(max.) 70
Stepper motor	V	40
	W	40

Other Equipment

Hard disk **Not available**

Capacity

Disk drive **Not available**

Disk type inches

Capacity Ko

Capture keyboard **Not available**

Number of keys

Type

Monitor **Not available**

Resolution lines x points

Size inches

Screen

Control panel

Number of keys 12

Type Membrane with raised tactile points

Display LCD 2 lines of 20 characters

Connexions - Liaisons

Parallel

Serial RS232

Memory card 38 points

Software characteristics

Languages

ITA, SPA, NL, JAP, FRA, ENG, GER

File formats

HPGL standard

HPGL open software

Optional accessories

Pen attachment

D2524 000

Reference (user manual)

D2136 799

Weight

Kg

1.150

Ext. dimensions

mm

270 x 135 x 74

Maximum object weight

kg

0.3

Min.-max. diameter

mm

5 - 15

Max. length

mm

160

Cylinder attachment

D2536 000

Weight

Kg

15

Maximum object weight

kg

20

Min.-max. diameter

mm

0 - 350

Max. length

mm

500

Cylinder attachment

Reference (user manual)

D2135 799

Weight

Kg

4.7

Ext. dimensions

mm

450 x 220 x 150

Maximum object weight

kg

Min.-max. diameter

mm

- 110

Max. length

mm

200

Vacuum table

Reference (user manual)

Ext. dimensions

mm

353 x 360 x 30

Max. extraction surface

mm

310 x 210

Max. engraving area

mm

305 x 210

Spindle clearance

mm

25

T-slot table

D2502 000

Reference (user manual)

D2097 799

Ext. dimensions

mm

314 x 404 x 85

Max. engraving area

mm

305 x 210

Spindle clearance

mm

33

Spindles

Collet	B2701 000
Diamond	A0140 100
Rotring	A0274 000
High frequency	Not available
Pyroengraver	A0270 100