

IS700 CE97

Product Data Sheet

FT1 - 10.98

Technical Characteristics

Mechanical Characteristics

Engraving table

Size	mm	800 x 640 x 580
Net weight	kg	95
Max. engraving area	mm	500 x 300

Packaging

Overall size	mm	1040 x 815 x 780
Weight (packaging + engraving table)	kg	123

T-slot table

Ext. dimensions	mm	580 x 360 x 100
Spindle clearance	mm	30

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	55
Working speed up to	mm/s	37

Spindle travel

in Z direction	mm	60
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Max. precision

X	mm	0.016
Y	mm	0.016
Z	mm	0.032

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**Machine**

Power supply	V	90 - 100 / 100 - 120 / 220 - 240
Max. absorbed current	A	3.1 / 2.5 / 1.2
Frequency	Hz	50-60 / 50-60 / 50
Output	W	185 / 200 / 150
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 6.3 A F1T
Degree of protection		IP40

Spindle motor

Type		Asynchronous
Output	W	110
Absorbed current	A	1
Speed	tr/min.	2700

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 (IS electronics box)

Parallel 26 - pin Mini - Delta Ribbon

Serial RS232

Connection to the control panel

Links the engraving table with the IS electronics box

Software characteristics

Languages	ITA, SPA, NL, JAP, FRA, ENG, GER
File formats	HPGL standard HPGL open software

Optional accessories

Pen attachment

Not available

Reference (user manual)	
Weight	Kg
Ext. dimensions	mm
Maximum object weight	kg
Min.-max. diameter	mm
Max. length	mm

Cylinder attachment

Reference (user manual)		
Weight	Kg	
Ext. dimensions	mm	380 x 210 x 145
Maximum object weight	kg	14
Min.-max. diameter	mm	1 - 120
Max. length	mm	160

Vacuum table

B1556 000

Reference (user manual)		B1055 799
Ext. dimensions	mm	580 x 422 x 100
Max. extraction surface	mm	295 x 500
Max. engraving area	mm	295 x 500
Spindle clearance	mm	30

Vice

B1024 000

Reference (user manual)		
Max. length	mm	750
Max. opening	mm	220
Height of jaws	mm	67
Spindle and jig clearance	mm	120

Spindles

Collet	B2701 000
Diamond	A0140 100
Rotring	A0274 000
High frequency	D0006 000
Pyroengraver	A0270 100