Gravograph

IS200

Product Data Sheet

FT6 - 10.98

Technical Characteristics

Mechanical Characteristics

Machine

Size	mm	500 x 455 x 295
Net weight	kg	20
Max. engraving area	mm	225 x 80

Packaging

Overall size	mm	650 x 600 x 400
Weight (packaging + machine)	kg	23

Vice

Max. length	mm	Unlimited
Max. opening	mm	140
Height of jaws	mm	16
Spindle and jig clearance	mm	14

Standard spindle

Tool

Type		Rotating, top-loading
Diameter	mm	4.36
	inches	11/64
Max. rotation speed	tr/min.	17000

Spindle displacement speed

Off-load travelling speed	mm/s	27
Working speed up to	mm/s	25

Spindle travel

in Z direction	mm	15

Max. precision

X	mm	0.012
Y	mm	0.012
Z	mm	0.01

Levelness

X	mm	0.2
Y	mm	0.2

Sound characteristics

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

off-load*	LAeq	db(A)	< 60 ± 1
nominal engraving*	LAeq	db(A)	81 ± 2
nominal engraving peak*	Lp Cpeak	db(C)	< 105

Environment * according to norm EN60721

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

Electrical Characteristics

Machine

Power supply	V ≃		100 - 240
Max. absorbed current	A		1.3
Frequency	Hz		50 - 60
Output	W		90
Insulation	Class		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 2A F1T
Degree of protection			IP40

Spindle motor

Type		Continuous current
Output	W	20
Absorbed current	A	1.1
Speed	tr/min.	5700

Displacement motor

Stepper motor	step/revs	200

Electronic characteristics

Electronic cards

UC board

Type of microprocessor		MOTOROLA 68000
Clock	MHz	10
RAM	Mo	2
EPROM Flash	Ko	256

Power board

Supply	V	5 / 13.5 / 12
	A	1 / 0,8 / 0,1
	W	5 / 11 / 1,2
Spindle motor	V	35
	W	40
Stepper motor	V	24
	W	30

Other equipments

Hard disk — n/a

Capacity	

Disk drive — n/a

Type of disk	inches	
Capacity	Ko	

Capture keyboard — n/a

Number of keys	
Type	

Monitor — n/a

Resolution		
Size	inches	
screen		
Type		

Control panel

Number of keys	12
Type	Membrane with raised tactile points

Display

Number of lines	2
Number of characters/line	20
Type	L.C.D.

Connexions - Liaisons

Parallel	
Serial RS232	
Memory cards 38 points	Not available
Video sub D 9 points	Not available

Software characteristics

Languages	ITA, SP, NL, JAP, FRE, ENG, DEU
File formats	HPGL standard
	HPGL open software

Optional accessories

Vacuum table

Reference		B5243 799 (Fre, Eng, Ger)
Ext. dimensions	mm	270 x 161 x 35
Max. extraction surface	mm	250 x 150
Max. engraving area	mm	225 x 80

Pen attachment

Reference		B5118 799 (Fre, Eng, Ger)
Weight	Kg	1.150
Ext. dimensions	mm	270 x 135 x 74
Max. object weight	kg	3
Min.-max. diameter	mm	5 - 15
Max. length	mm	160

Spindles

Collet	Not available
Diamond	Not available
Rotring	
High frequency	Not available
Pyroengraver	Not available