



Machines, consumables and automation for objects printing

F20

LaserSystem

DIGITAL FOR PAD PRINTING PLATES

NO FILMS AND NO CHEMICALS

COMPUTER TO PLATES

PRECISION & REPETITIVENESS

QUICK WORK EXECUTION

COMBINED ENGRAVINGS

EASY TO USE

100% Made in Italy



F20 LaserSystem

F20 LaserSystem is the compact and clever 20W fiber laser engraving station developed by TOSH for the production of pad printing plates (**computer to plates**).

- **Eliminates the costs of films and chemicals.** The creation and possible changes of the artworks directly via the PC.
- Repetitiveness and precision. 100% **unvaried quality** in the print result. The engraving parameters can be stored in the PC and recalled when needed.
- **Quick work execution**, thus ideal for multiple clichés production in a day.
- Ideal also for multicolored jobs, engravings can already be in-register.
- Costs reduction due the ease to add new engravings on already etched cliché, not feasible on photopolymer or thin steel plates.
- **Extremely simple operation.**
- Easy-to-use integrated software. All engraving parameters can be stored.
- The clichés can be used with "combined engravings", screened for solid lines, and not for fine lines.
- Equipped with: Safety guarding, housing for multiple plates different punching, dedicated PC and software, optical unit for an engraving area of **100x100 mm (140x140mm optional)**.
- Duration the laser source (20W fiber) between 50,000-100,000 hours.
- Low power consumption (0.35kw / h)

Technical features

Laser Generator	IPG Laser Generator (1064 microns)
Cooling system	air
Power	20W
Frequency	20-80 KHZ
Scanning speed	9.000mm / s
Scanning accuracy	± 0.05mm
Repositioning accuracy	± 0.001mm
Engraving area	100 x 100mm (140 x 140mm optional)
minimum line width	0.01mm
minimum character	0.15mm
Average consumption	600 - 800W
Power supply	220/240V - single phase - 50 / 60HZ
Dimension	900 x 620 x 110 (h) mm
Weight	about 160kg
Environmental conditions	temperature 20 ° -30 ° C - Humidity 30% -80% without condensation
Compatible operating systems	Windows 7 - XP (AI, PLT, DXF, BMP, JPEG, ...)

Optional	Fume extraction unit Lens assembly for 140 x 140 mm engraving area
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You are welcome to contact us for further information

SPECIFICATIONS MAY BE SUBJECT TO CHANGE WITHOUT NOTICE

TOSH®

MACCHINE E SERVIZI
PER LA STAMPA SU OGGETTI



TOSH s.r.l. - Via Lambro 84, I - 20089 Quinto Stampi Rozzano (MI)
Tel. +39 02 57566.1 (10 linee r.a.) - Fax +39 02 89200266
E-mail: info@tosh.it www.tosh.it