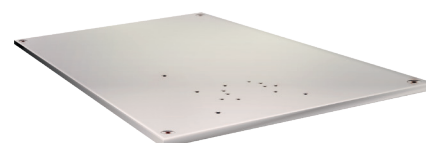


F30 Optional



Lens group 110x110 mm
Lens group 150x150 mm
Lens group 200x200 mm



TOSH multi-punched
plate holder carrier.



Fume extraction unit mod. W1
2-stage filtration.
Max flow rate of 150m³/h, complete
with suction hose consisting of an
extraction arm 1.5 m. length and
suction hood.

You are welcome to contact us for further information

TOSH®
MACCHINE E SERVIZI
PER LA STAMPA SU OGGETTI



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SPECIFICATIONS MAY BE SUBJECT TO CHANGE WITHOUT NOTICE

GRAFICA TOSH - Printed 07/21

EN



Machines, consumables and automation for objects printing

F30

LaserSystem

DIGITAL FOR PAD PRINTING PLATES

COMPUTER TO PLATE

NO FILMS AND NO CHEMICALS

PRECISION AND REPEATABILITY

SPEED OF EXECUTION

COMBINED ENGRAVINGS

EASY TO USE



100% Made in Italy

F30 Laser System is the compact and intelligent 30W fiber laser engraving station, developed by TOSH for the production of CPL clichés for pad printing.

- Use of CPL pad printing clichés specially designed by TOSH for Fiber LASER engraving.
- **Elimination of costs** of **films** and **chemicals** for the production of cliché.
The creation of the artwork and any modifications are carried out directly from the PC.
- Repeatability and precision. **100% constant quality** in the print result.
The engraving parameters can be stored and reused later.
- **Speed of execution**, ideal for those who have to make many clichés a day.
- Also ideal for multicolored jobs: the engravings can be made already in register.
- Possibility to add new engravings on cliché already engraved, not possible on photopolymer cliché or thin steel, greatly reducing costs.
- **Extremely simple operation.**
- Easy to use integrated software. All the engraving parameters can be stored.
- The clichés can be used with "combined engravings", possibility to apply screened film for continuous lines and no screen for fine lines, obtaining different depths and screens in the same engraving.
- Possibility of creating vector and bitmap graphics with halftone solutions, ideal for process-color selections or continuous tone reproductions.
- Complete with latest generation Window PC with 18.5" monitor, wi-fi keyboard and mouse.
- Specific software with supported formats AI, DXF, PLT, BMP, JPG, TIFF ...
- Complete with safety class 1 guarding and EC certification.
- Carrier for various formats multi-punched clichés (optional).
- Lens groups for engraving areas of **110 x 110 mm, 150 x 150 mm and 200x200 mm**
- Low energy consumption.

Technical features

Laser	Fiber laser - galvanometric type head
Power	Adjustable power up to 30W
Wavelength	1,064 nm
Laser life	Up to 100,000 hours
Air cooling system	Air
Frequency	Programmable
Engraving speed	Programmable up to 10,000 mm/s
Minimum spot diameter	0.01mm
Accuracy of engraving repetition	± 0.001mm
Engraving area	110 x 110 mm, 150 x 150 mm, 200 x 200 mm
Z axis	Electric, adjustable up to 250 mm at different speeds
Average consumption	<500W
Power supply	220/240 V - single phase - 50/60 HZ
Size	800 x 800 x 1450 (h) mm
Weight	About 150 kg
Working environment temperature	20 ° -30 ° C - Humidity 30% -80% without condensation

SAFETY CLASS |1|
CERTIFICATION 



- F30 is developed and manufactured by TOSH with the most state-of-the-art laser technology of the latest generation.
- High quality fiber laser generator.
- Extremely small writing spot (0.01mm) for high resolution engravings.
- High speed galvanometric scanner of excellent stability.
- Electric motorized Z axis with differentiated speeds for extremely precise focusing.
- Wide range of lenses for engraving areas up to 200x200 mm.
- F30 includes optimized software for line engravings, for high resolutions and for high quality halftone engravings.
- High accuracy repeatability of incision +/- 0.001 mm