

COMPOSITE ADDITIVE MANUFACTURING

IRT
JULES
VERNE

EOS P810 Laser Sintering Machine



Offer

- ▶ Support for the design of optimised parts for Laser Sintering (LS) technology
- ▶ Production of parts (demonstrator, prototype)

Our R&D work

- ▶ Development of new materials
- ▶ Development of material database
- ▶ Study of the influence of process parameters
- ▶ Process optimisation (robustness, in situ control, etc...)

Characteristics

EOS P810 Machine

Technology	Laser Sintering (LS)
Building room dimensions	700 mm x 380 mm x 380 mm
Layer height	0.12 mm (other thicknesses technically possible)
Lasers	CO ₂ , 2 x 70 W
Scan speed	Up to 6m/s
Building room temperature	Up to 300°C
Atmosphere	Inert gas (nitrogen)
Materials	HT23 (carbon fibre filled PEKK), development powders



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Région
PAYS DE LA LOIRE

CE PROJET EST COFINANÇÉ PAR
LE FONDS EUROPÉEN DE DÉVELOPPEMENT RÉGIONAL
PAYS de la LOIRE