IRT M2P

Institut de Recherche Technologique
Matériaux Métallurgie et Procédés

# CUTTING TABLE

**Process overview**

| | |
|---|---|
| Continuous process | ✓ |
| Fibrous materials | ✓ |
| Net-shape | ✓ |
| Glass fibers | ✓ |
| Carbon fibers | ✓ |
| Multi-ply cutting | ✓ |
| Production speed | Up to 1000 mm/s |
| Cutting height | Up to 55 mm |
| Cutting area | 2750 x 3200 mm |
| Process parameters monitoring and recording | ✓ |

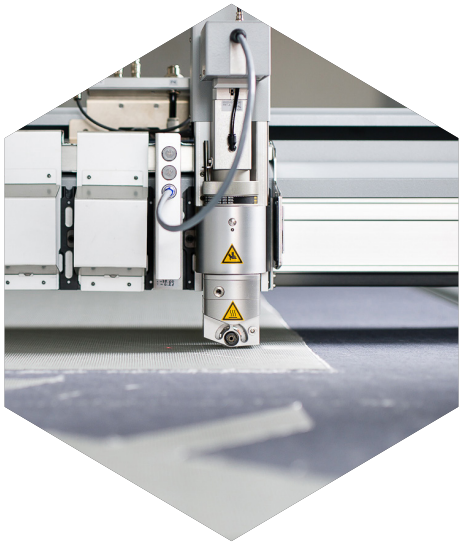
## EQUIPMENTS

**Cutting devices**
- Fixed blade (up to 5 mm thickness)
- Oscillating blade (8mm stroke, up to 50 mm height)
- Rotative blade (up to 16000 tr/min, max. thickness for multi-ply cutting: 8 mm)

**Cutting table**
- Carbon and glass fibers compatible
- 2750 x 3200 mm
- Up to 55 mm height

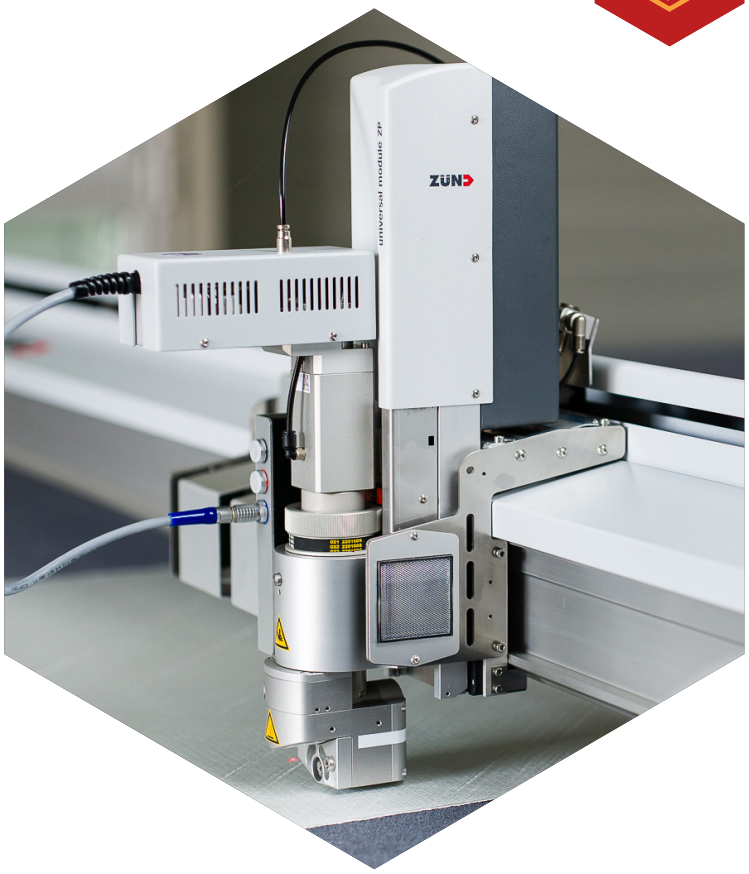
**Unload table**
- Usefull to unload cutting paterns
- Connected with the cut area

**Online monitoring, data saving and post-processing**
- Online controls
- Centralised acquisition and archiving of process parameters
- Waste calculation



# TECHNICAL SERVICES

- **Scale-up:** Validate process/materials at an industrial scale
- **Pre-industrialisation:** Validate robustness and production rate of cutting process in an industrial context
- Manufacturing
- Optimisation of cutting process and demonstration of cutting capability
- Production of custom cutting from designated design




# EQUIPMENT AVAILABILITY

- Multi-partner research projects with public co-funding
- Research studies/services
- Equipment rental with technical support
- Training

# CONTACT

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Further information on this activity scan this Code QR

## About IRT M2P

The Institute of Research and Technology for Materials, Metallurgy & Processes (IRT M2P) is your partner for developing innovative products and processes to accelerate your company's growth.

We bring our expertise, a wide array of state-of-the-art semi-industrial technological platforms and a network of academic labs to the R&D projects we carry out with our more than 120 industrial partners.

Contact us to discover our 9 areas of technological expertise:

> Advanced Foundry
> Life Cycle Assessment & Recycling
> Metal Powders
> Surface Treatment & Coatings
> Mechanical Surface Treatment
> Heat & Thermochemical Treatment
> Composite Materials
> Multimaterials Joining
> Analysis & Characterization

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