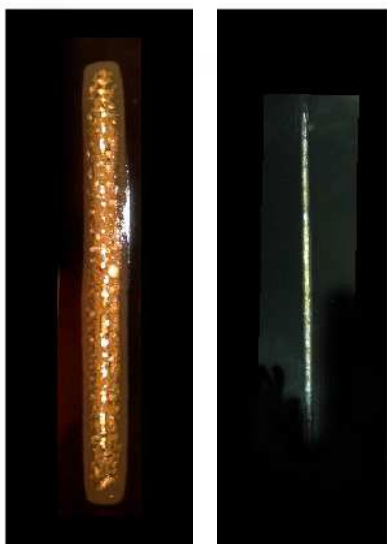


Plastic laser welding



Profile of energetical lines can be adapted (l x w)

Applications

- ▶ Transport
- ▶ Packaging
- ▶ Bio-medical
- ▶ Cosmetics

A new welding technology for plastic materials using an energetical line.

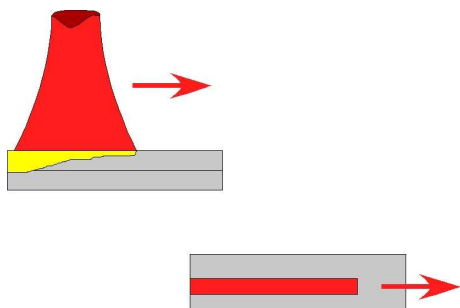
It is now possible to weld absorbent materials of several tenths of millimeter thickness by conduction.

This technology has been developed in partnership with the company PLASTICELL for the manufacturing of plastics honeycomb structures. It is possible to weld simultaneously 81 holes at speeds of about 10 m/mn.

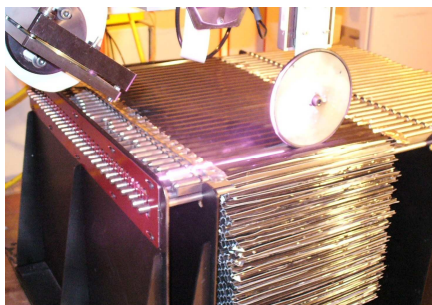
With a mass density of 25 to 75 kg/m³ these panels rank among the lightest structures in the world.

Advantages

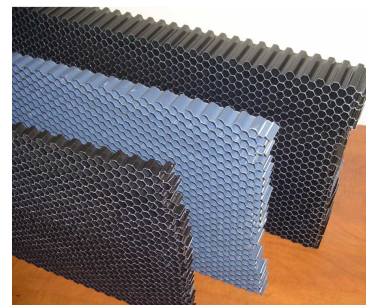
- ▶ Production costs reduction
- ▶ Welding of absorbent materials
- ▶ Compatible with a large range of plastics
- ▶ Easy adjustment of the energetical line (l x w)
- ▶ High welding speeds
- ▶ Excellent weld characteristics



Principle of line welding



Prototype for the manufacturing of honeycomb panels



Honeycomb panels

