

FINN-POWER

- PUNCHING
- **LASER CUTTING**
- BENDING
- INTEGRATED PUNCHING & SHEARING
- INTEGRATED PUNCHING & LASER CUTTING
- FLEXIBLE MANUFACTURING SYSTEMS



**FINN-POWER
LASER CENTER LC6
– A NEW SOLUTION
FOR AUTOMATED
LASER CUTTING**

FINN-POWER LASER CENTER LC6 – WHY?

"Sheet metal products are getting more and more sophisticated"
"We have to be flexible to be competitive"
"There is more prototype work at short notice"
"Reduced set-up times simply equal more output."
"Manual operations consume time and are a major cost item"
"Human resources are limited, and man hours add a lot to cost per component."

FINN-POWER listened to customers – and responded with the LC6 co-ordinate table laser center, because all this indicates a need for a sophisticated laser cutting system with integrated sorting and stacking!

FINN-POWER LASER CENTER LC6 – HOW?

The basis of the new laser center LC6 is FINN-POWER's proven experience in modular technology in combination with the latest generation of CO₂ lasers.

LC6 integrates laser operation and part handling for fabricating high-quality components. Fast, accurate sheet positioning and the integrated Rofin Sinar 2,500 Watt diffusion cooled CO₂ SLAB let you manufacture faster, more economically and using a wider range of sheet material than any alternative solution on the market.

In today's highly competitive environment, the LC6 is a splendid tool for responding to the daily constraints of high accuracy, short lead time and costs, etc. – important now, and even more so in the future.

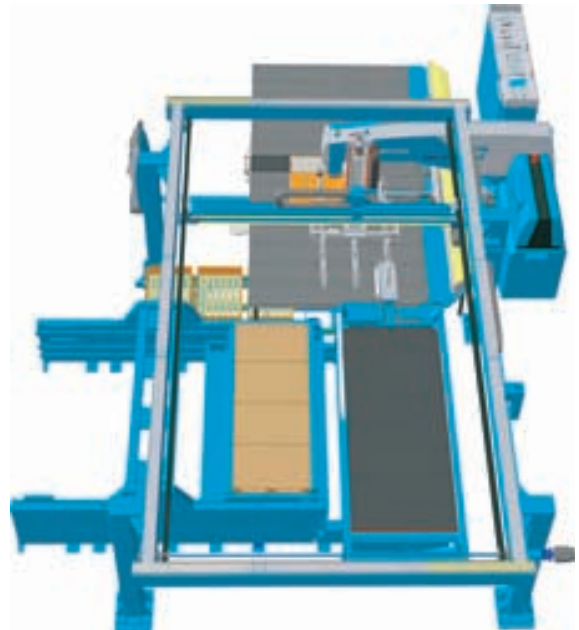
UNRIVALLED AUTOMATION EXPERIENCE

FINN-POWER started automation of the material flow in sheet metal processing 20 years ago. Subsequent development has resulted in the experience of hundreds and hundreds of applications and a wide range of modular automation equipment for meeting specific requirements.

In the area of material handling of laser cut components FINN-POWER has one of the most versatile sorting and stacking solutions in the market. These modules completely automate this section of the material flow – even for complex nests.

LC6 features

- ▶ 5 axis gantry robot for material loading, part sorting and stacking
- ▶ brush tables for smoother sheet transfer
- ▶ programmable clamp setting for virtually no dead zone
- ▶ 3 metre X axis with rack and pinion and 1.5 meter Y axis with double ball screw for sheets up to 8 mm / 200 kg
- ▶ 2.5 kW SLAB laser
 - ▶ high beam quality
 - ▶ low maintenance requirements
- ▶ autofocus cutting head
- ▶ laser process control (option)
- ▶ 2 trap doors 300 mm x 400 mm and 800 mm x 800 mm
- ▶ 9 address small part sorting device
- ▶ automatic laser scrap sorting
- ▶ skeleton unloading
- ▶ highly compact system layout with complete access from front side



*Two drop doors for laser cut parts
Sorting of small pieces into sorting boxes*



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Flexibly yours®

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