

# Laser cutting from coil



When flexibility becomes  
your advantage

## THE COST-EFFECTIVE ALTERNATIVE TO STAMPING

### Flexibility that drives processes forward.

**Laser cutting from coil** combines the flexibility of laser technology with a continuous material flow directly from the coil. This enables precise 2D contours to be produced without conventional stamping tools – flexibly and cost-effectively.

## ALL BENEFITS AT A GLANCE

### For requirements that demand more.



#### Greater design freedom

Produce complex contours without being constrained by tooling limitations.



#### Greater responsiveness

Implement changes faster – without tool changes or lengthy setup times.



#### Greater versatility

From coil feeding to coil-to-coil processing – flexible across strip widths, thicknesses and applications.



#### Improved process flow

Process material directly from the coil and maintain a continuous production flow.



#### Greater transparency

Record and document process results while ensuring full traceability.



#### Greater efficiency

Unlock production potential where rigid tooling concepts reach their limits.

PRODUCTION IN MOTION

# Laser cutting from coil

LSprecision | SITEC



## Technical specifications

|                     |                           |
|---------------------|---------------------------|
| Process:            | 2D laser cutting          |
| Laser source:       | Fiber laser               |
| Strip width:        | up to 800 mm              |
| Material thickness: | up to 3 mm                |
| Strip feed rate:    | up to 4 m/min             |
| Cutting speed:      | up to 20 m/min            |
| Acceleration:       | up to 25 m/s <sup>2</sup> |

## SYSTEM PROCESS OPTIONS

Because no two processes are alike.



Coil-to-Part



Coil-to-Coil



Sheet metal processing



## SYSTEM INTEGRATION

- ✓ **Stable machine base:**  
Solid natural stone construction for low-vibration operation and contour accuracy down to 10 µm
- ✓ **Gantry system:**  
Dynamic axis control for precise contour guidance and high process stability
- ✓ **Flexible automation:**  
Tailored to material flow, cycle time and system layout
- ✓ **Laser integration:**  
Integration of suitable laser sources from various manufacturers



## QUALITY & PROCESS RELIABILITY

- ✓ **Inline measurement:**  
Continuous, active monitoring of process results
- ✓ **connACT SERVICES:**  
Digital services provide data transparency and support process monitoring and system performance
- ✓ **Traceability:**  
Quality-relevant data ensure transparent process and component traceability via DMC
- ✓ **Reproducible results:**  
Proven laser machine tools ensure reliable production

## Your contact

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