

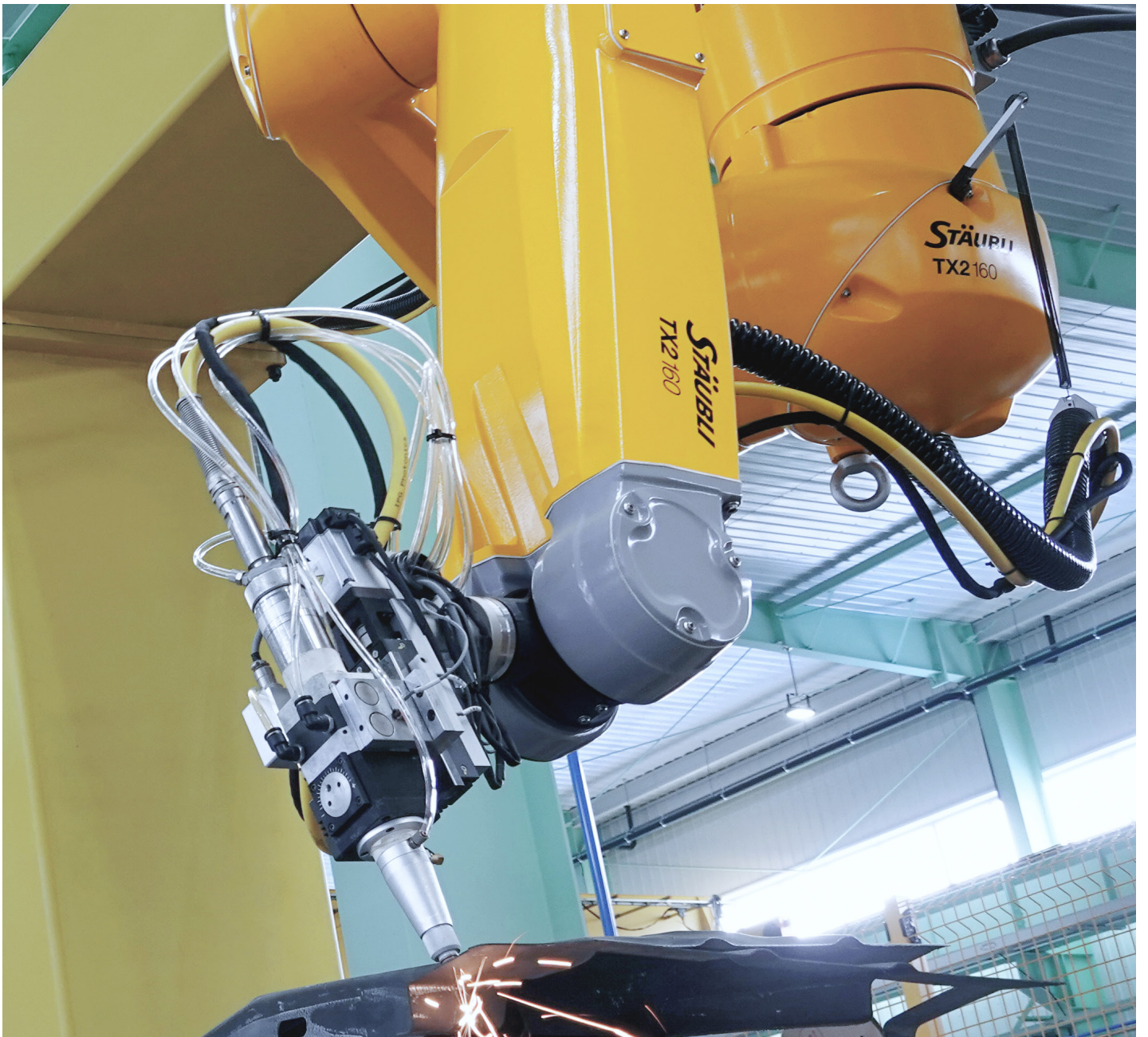
FAST MOVING TECHNOLOGY

STÄUBLI



Laser cutting with High Dynamic Precision robot

Robotics | Experts in Man and Machine

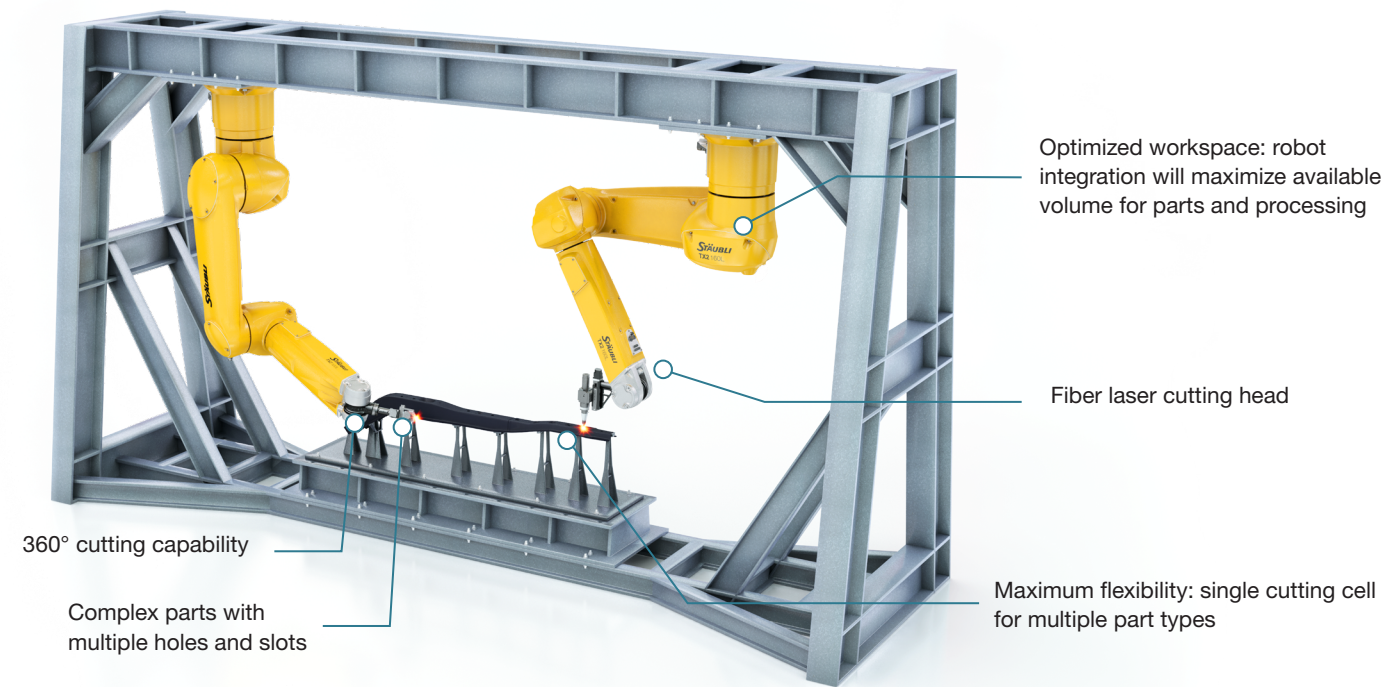
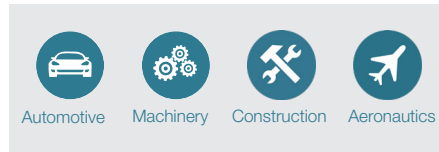


TX2-160L HDP

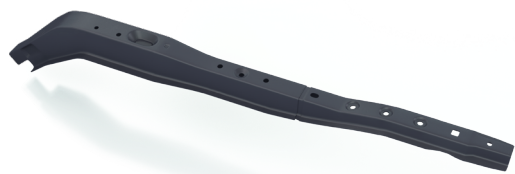
Unparalleled accuracy for robotic laser cutting

Robotic laser cutting is among the most innovative technologies in cutting because it offers both performance and the maximum flexibility that industry demands. Fiber Laser cutting presents multiple challenges for

robots: path accuracy at all cutting speeds, great rigidity and agility to access complex parts, all this while keeping performance stable in time. Stäubli robots are a natural match: accurate, compact, and reliable.



Multiple cutting patterns



Linear trajectories with orientation changes



Slots / square shapes cutting



Circular trajectories cutting



Angular and corner trajectory cutting

High Dynamic Precision robot

Stäubli's HDP robot has been designed to deliver the best performance in fiber laser cutting applications. Since more than 20 years, Stäubli has built experience in high-

accuracy processes and specifically in laser cutting alongside with the most renowned experts in the industry.

Fast and clean cut

- The highest path accuracy among laser cutting robots to perform all trajectories types
- HDP robot offers unmatched dynamic performance for fast processing
- No deburring or additional operation needed

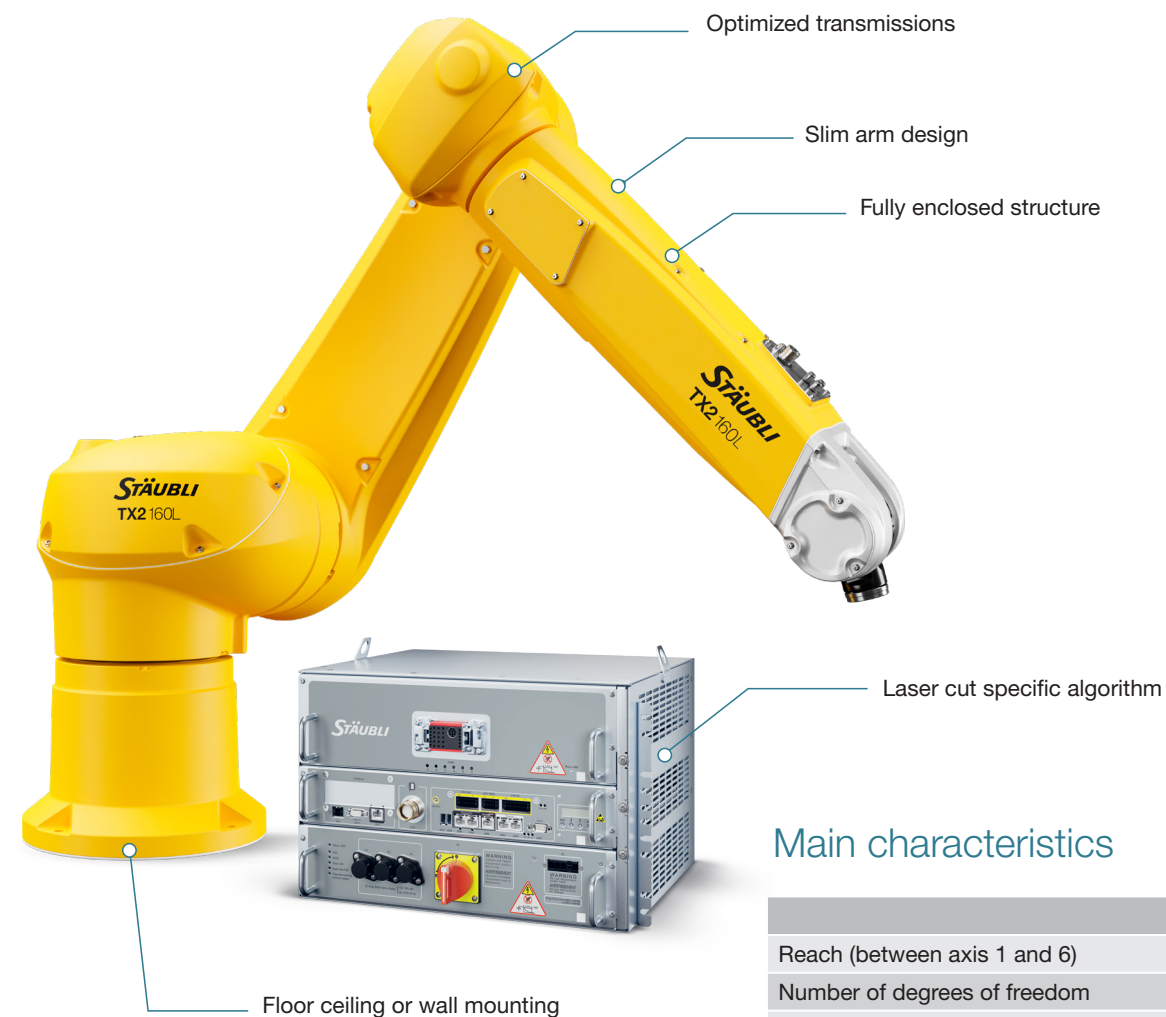
Flexibility

- Maximum accessibility even with complex 3D parts
- Compact design: best stiffness/weight ratio in the market, and multiple mounting options, for integration without limitations

Constant quality

- Like every Stäubli product, HDP robot superior reliability ensures a durable performance
- Fully enclosed structure (IP67) to keep equipment safe from smoke and dust
- Laser processing generates no wear of molds or cutting tools

Optimized for fast and accurate cutting



Main characteristics

	TX2-160L HDP
Reach (between axis 1 and 6)	2010 mm
Number of degrees of freedom	6
Repeatability - ISO 9283	± 0.05 mm
Weight	265 kg
Stäubli series controller	CS9 MP



● Staubli Units ○ Representatives/Agents

Global presence of the Staubli Group

www.staubli.com