

**TL6015F**

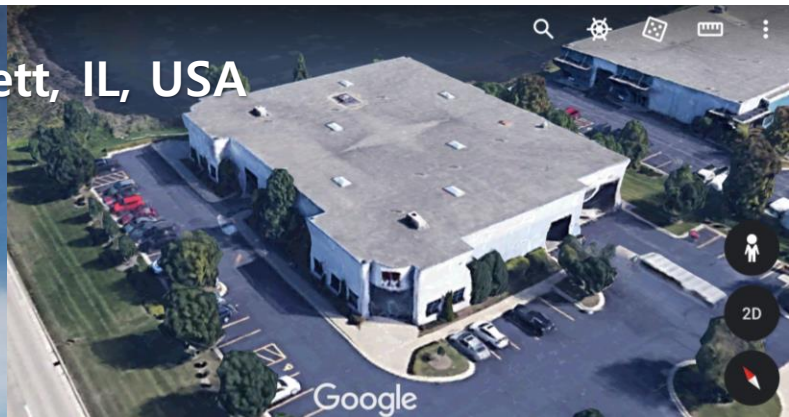
**Fiber tube cutting system**



# HK headquarter, Seoul, South Korea



# HK US headquarter, Bartlett, IL, USA



## ■ Profile

- **Address:** 1296 Humbracht Circle, Bartlett, IL 60103  
@ Brewster Creek Business Park
- **Location:** 30 min from O'Hare Airport
- **Size:** 26,000 sq-ft including;
  - 5000 sf Main office
  - 2500 sf Parts inventory warehouse
  - 1500 sf Parts dept. incl. cutting head repair room
  - 8000 sf Demo showroom
  - 7000 sf Machines storage area
- **Demo machines**
  - PS3015 fiber-10kW Corona
  - FALCON-plus III 4kW Corona
  - PRCE Electric press brake



# TL6015F Tube Laser cutting system



- ✓ Automated bundle loader
- ✓ Tube feeding system
- ✓ High speed rotary chuck
- ✓ Laser cutting station
- ✓ Automated unloading station
- ✓ Heavy duty
- ✓ SIEMENS 840D control & servo
- ✓ PRECITEC cutting head
- ✓ IPG or nLight fiber laser resonator

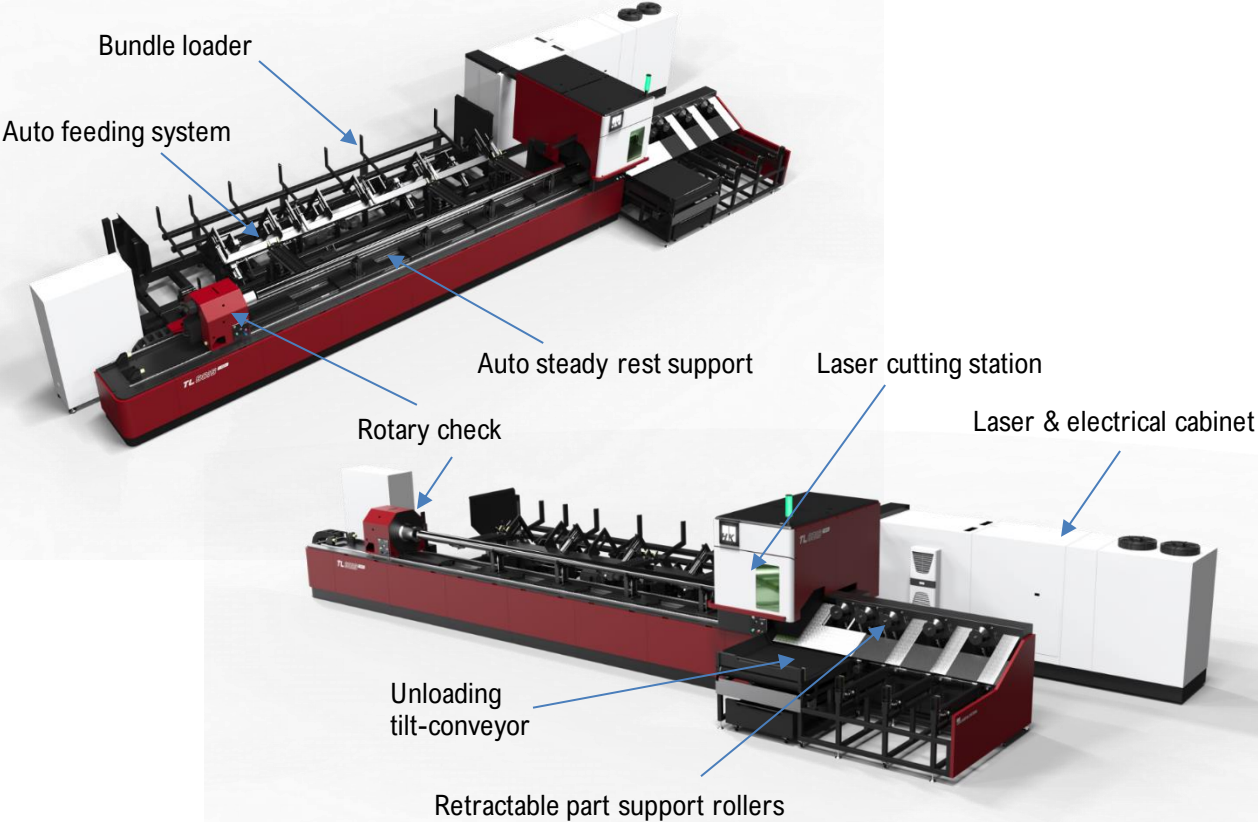


# Specifications

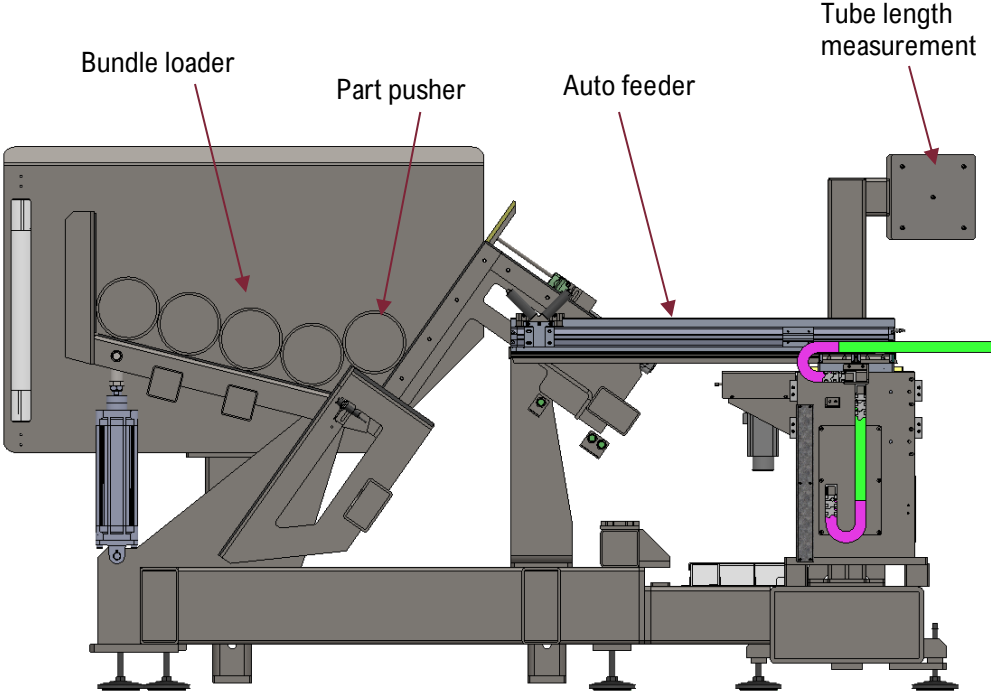


Model		TL 6015 CO2	TL 6015 Fiber	비고
Laser power		2.5kW	3 kW	
Tube length	Manual-front	24' 6"	24' 6"	
	Auto-back	20'		
Loading		Max 20'		
Unloading		Max 10'		
Dead distance		6.3"	5.9"	
Tube size	Round	Ø 0.6" ~ Ø 6.5"		
	Square	0.6" x 0.6" ~ 4.72" x 4.72"		
	Rectangle	Max. Diagonal 6.5"		
Weight	Max weight / tube	330 lbs		
	Max bundle weight	8,000 lbs		
Max cutting thickness	Mild Steel	0.250"	0.315"	
	Stainless	0.200"	0.250"	
	Aluminum	0.157"	0.200"	
Cutting head		S5	Lightcutter F150mm	
Dust collector		15 m <sup>3</sup> /min , 2.2kW, 380V 3Phase 60Hz		

# System configuration

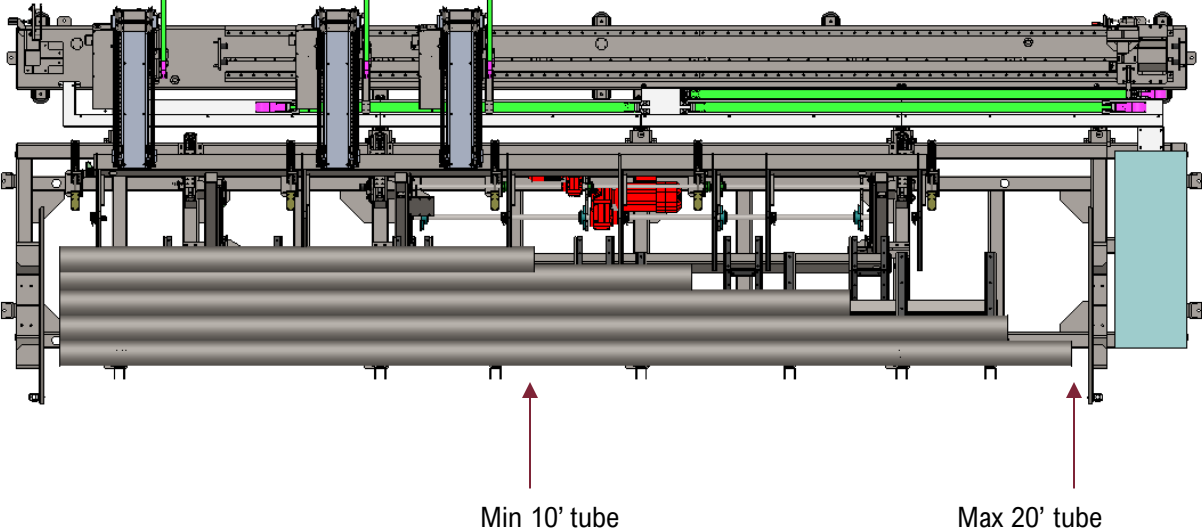


# Bundle loader & Auto feeding system





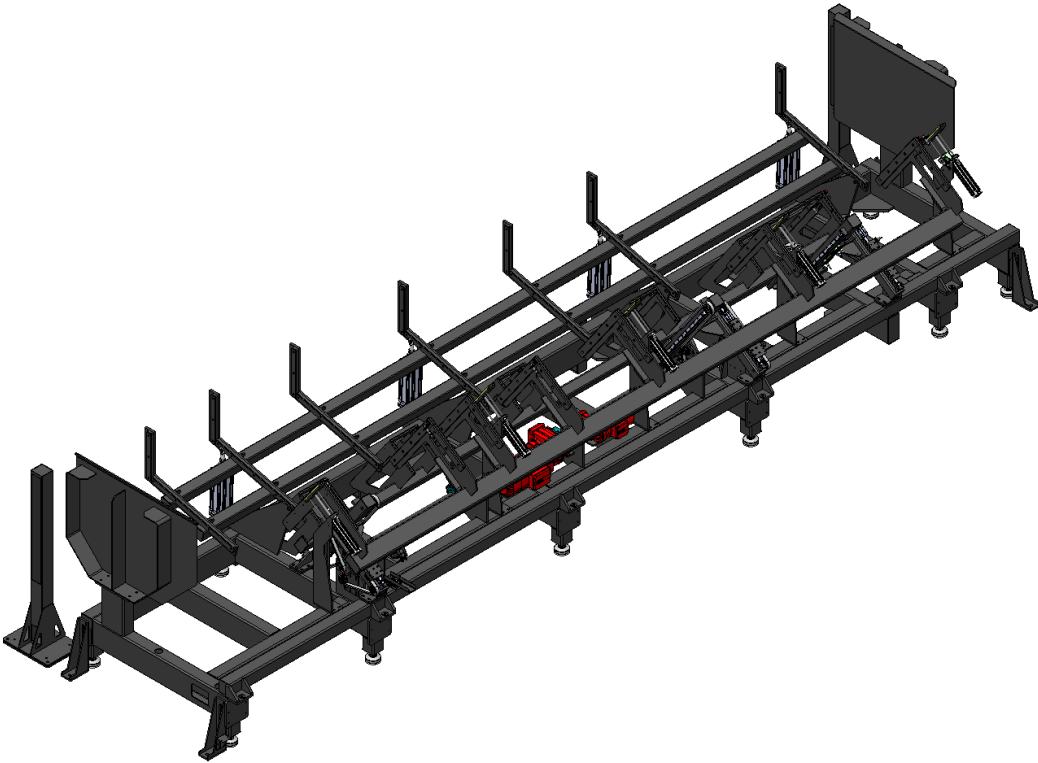
# Bundle loader & Auto feeding system



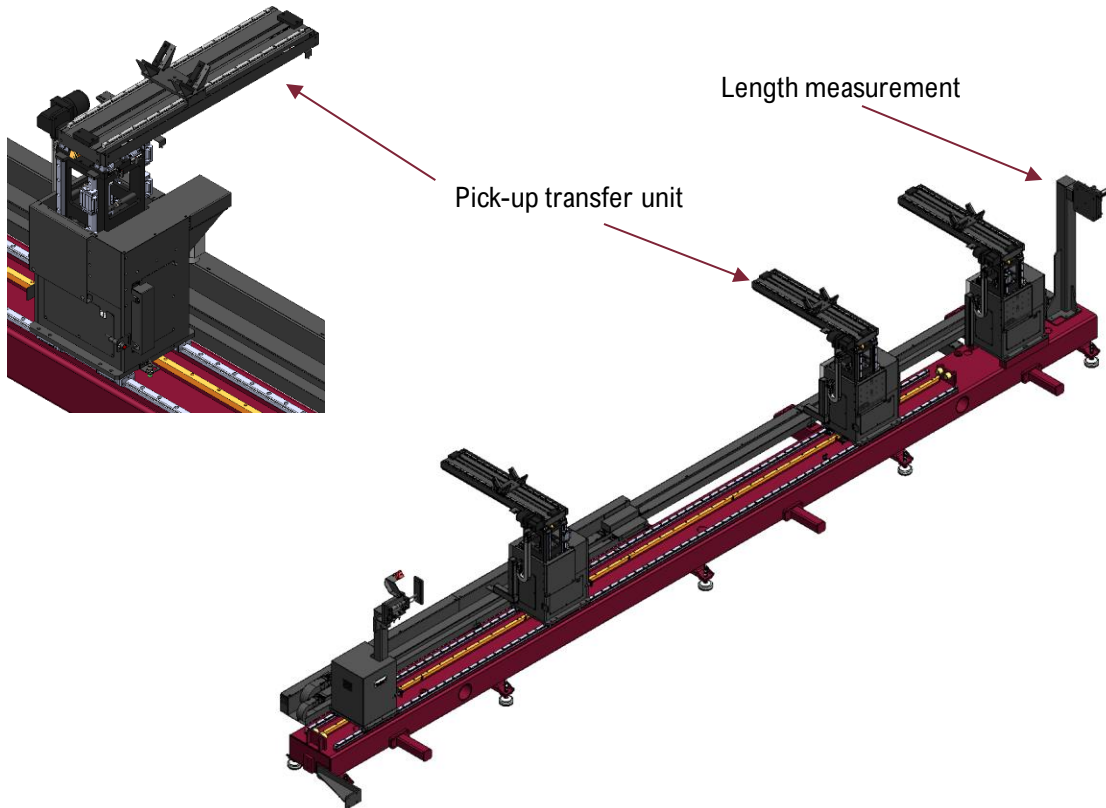
Min 10' tube

Max 20' tube

# Bundle loader



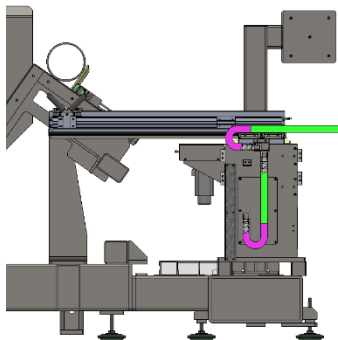
# Auto feeding system



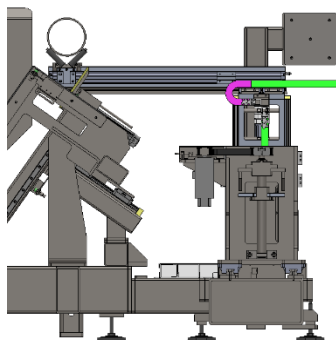
# Tube pick-up & feeding process



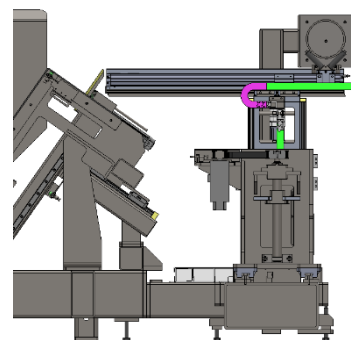
Ready to pick up tube



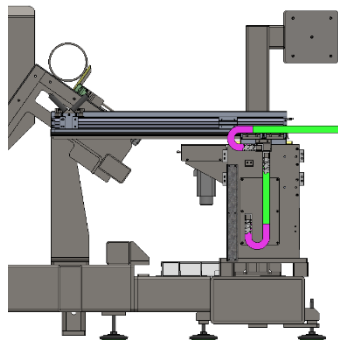
Pick up tube



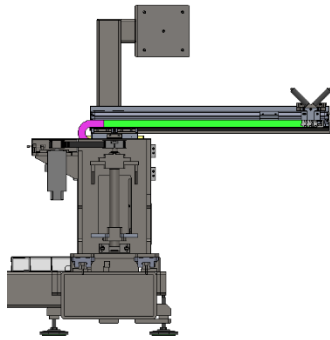
Length measurement



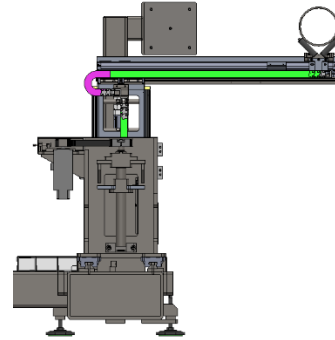
Back to the pick-up position



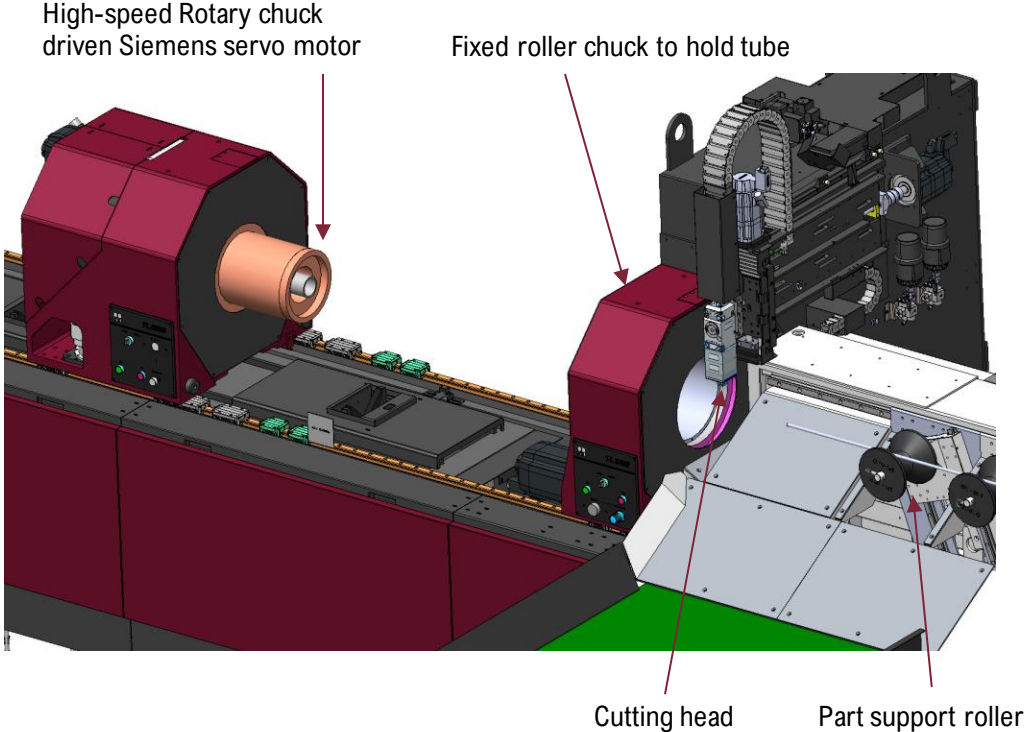
Feeder move down



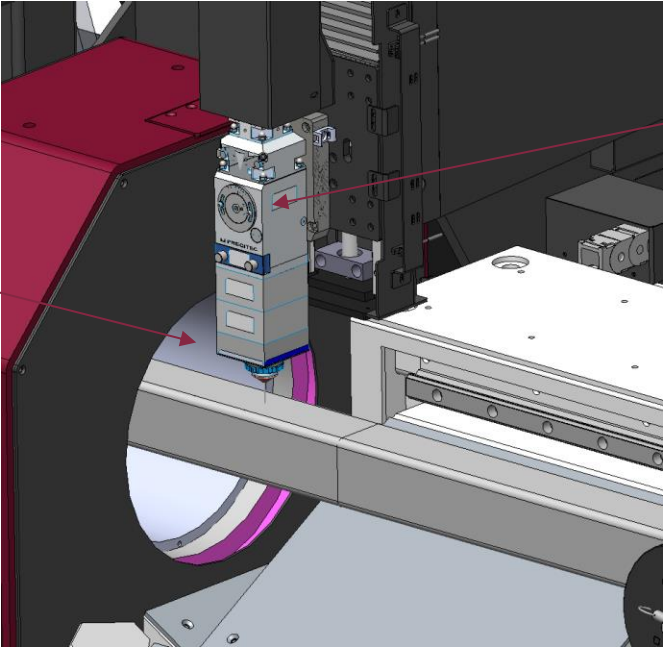
Feed tube to the chuck



# High-speed Rotary chuck



# Laser cutting station



Dead distance:  
5.9" from roller check  
to the head

Precitec lightcutter head

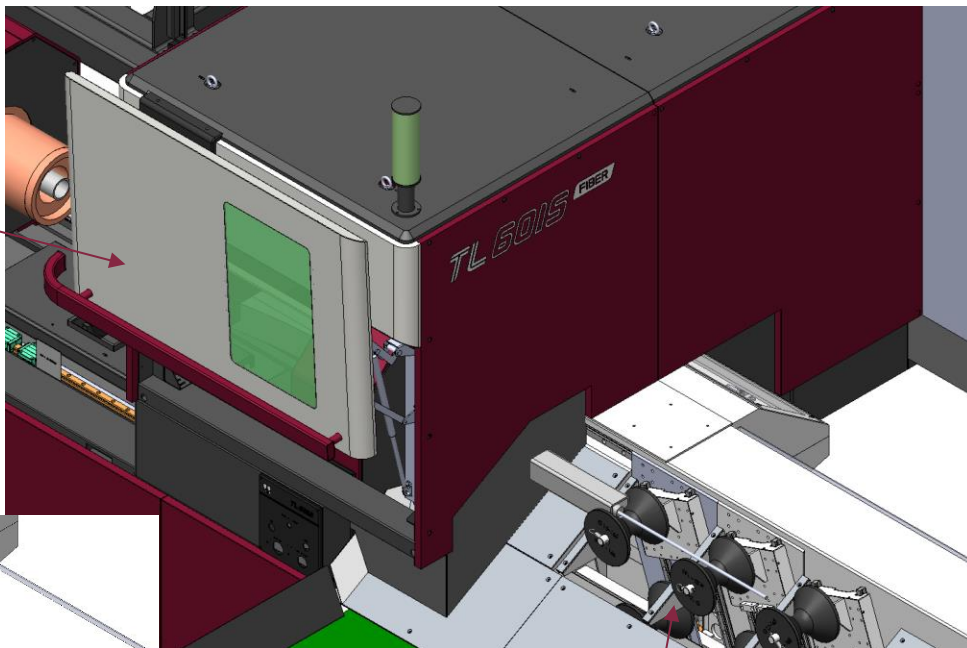
Max. 6.5" diameter  
Min 0.6" diameter

# Safety enclosure & Part support roller

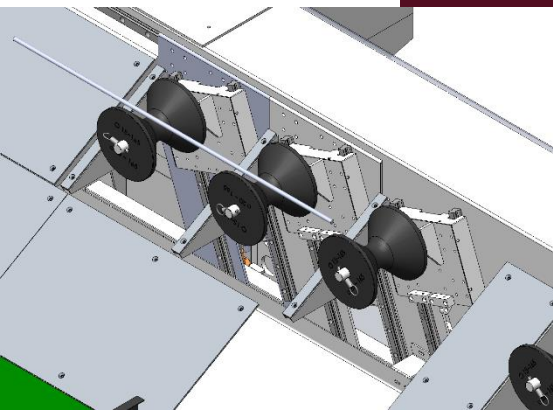


Laser-class IV safety enclosure chamber

Up-down swing door



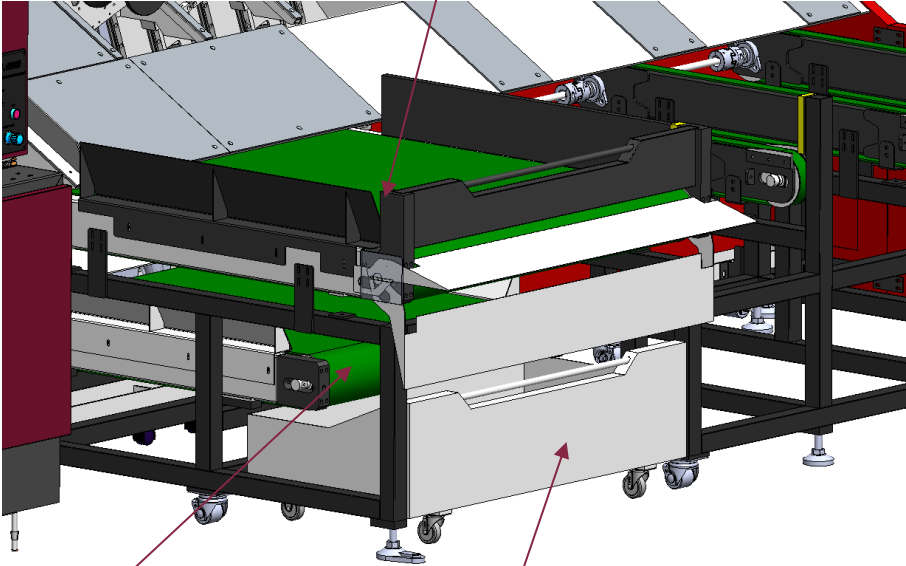
Auto-retractable part support & unload roller



# Double conveyors



Upper conveyor for finished parts

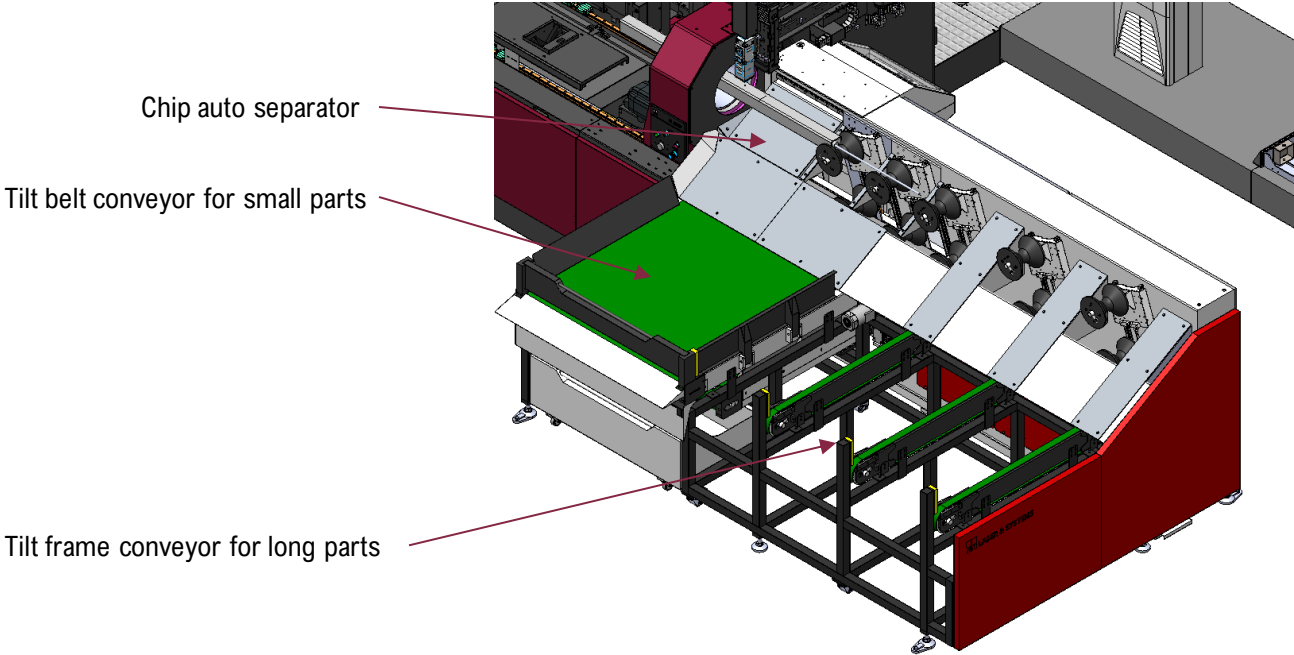


Lower conveyor for scraps

Chip tray



# Unloading zone



Chip auto separator

Tilt belt conveyor for small parts

Tilt frame conveyor for long parts

# HK TL6015F



✓ Competitive tube-cutting solution backed up by HK service team

