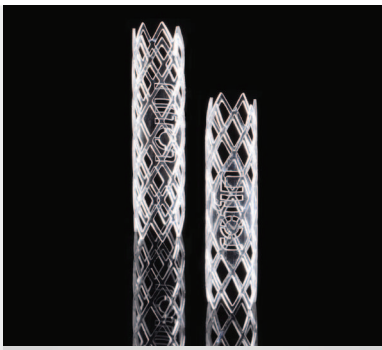
COHERENT | rofin



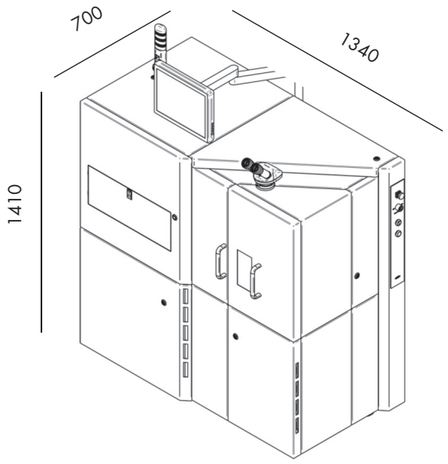
STARCUT TUBE FAMILY

WHEN PRECISION MATTERS MOST

WE THINK LASER

StarCut Tube SL

SMALL IN FOOTPRINT –
BIG IN PRODUCTION

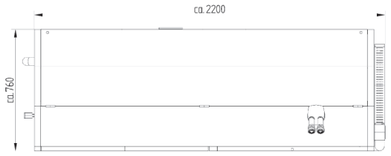


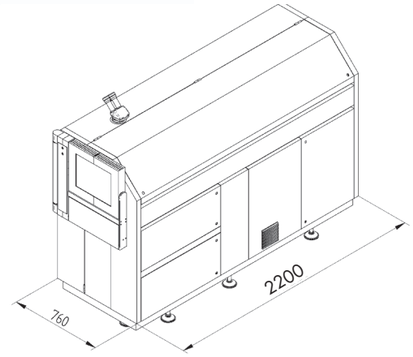
Specifications

StarCut Tube SL		
Axis travel (x, z)	mm^2	300 x 40
Axis speed (rotary)	Rev/min	600 - 1200
Z-axis options		motorized or manual
Tube Diameter	mm	up to 15
Dimensions	mm (L x W x H)	700 x 1340 x 1410
Weight	Kg	1300
Laser Source		**StarFiber 180/320 FC**
Type		Fiber laser
Wavelength	nm	1070
Pulse duration /pulse width		0.5 µs - cw
Pulse frequency	kHz	single shot up to 170
Pulse peak power	W	up to 600 / up to 1200
Beam quality	M^2	< 1.1

StarCut Tube

FOR METAL AND POLYMER:
FLEXIBLE AND FAST WITHOUT
COMPROMISE

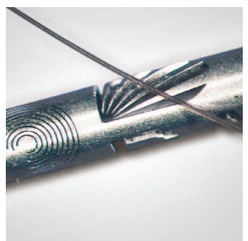


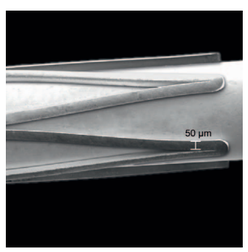


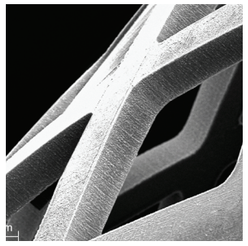
Specifications

StarCut Tube			
Axis travel (x, y, z)	mm^2	300 / 600 x 75 x 40	
Axis speed (rotary)	Rev/min	600 - 1200	
Tube Diameter	mm	up to 30	
Dimensions	mm (L x W x H)	760 x 2200 x 1430	
Weight	Kg	1200	
Laser Source		**StarFemto FX**	**StarFiber 180/320 FC**
Type		Ultrashort pulse laser	Fiber laser
Wavelength	nm	1030 / 515	1070
Nominal power	W	6 / 10 / 15	
Pulse duration / pulse width		300 fs to 10 ps	0.5 µs - cw
Pulse frequency	kHz	single pulse up to 200 / 600	single shot up to 170
Pulse peak power		max. 660 MW	up to 600 W / up to 1200 W
Beam quality	M^2	< 1.2 (6 W, 10 W), < 1.3 (15 W)	< 1.1

One for All,







StarCut Tube SL

StarFeed S

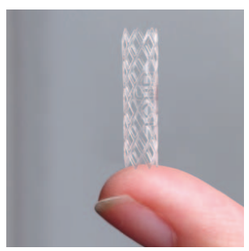
Feeders are interchangeable

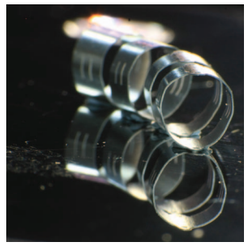
StarCut Tube

StarFeed L

Feeders are interchangeable

All for One





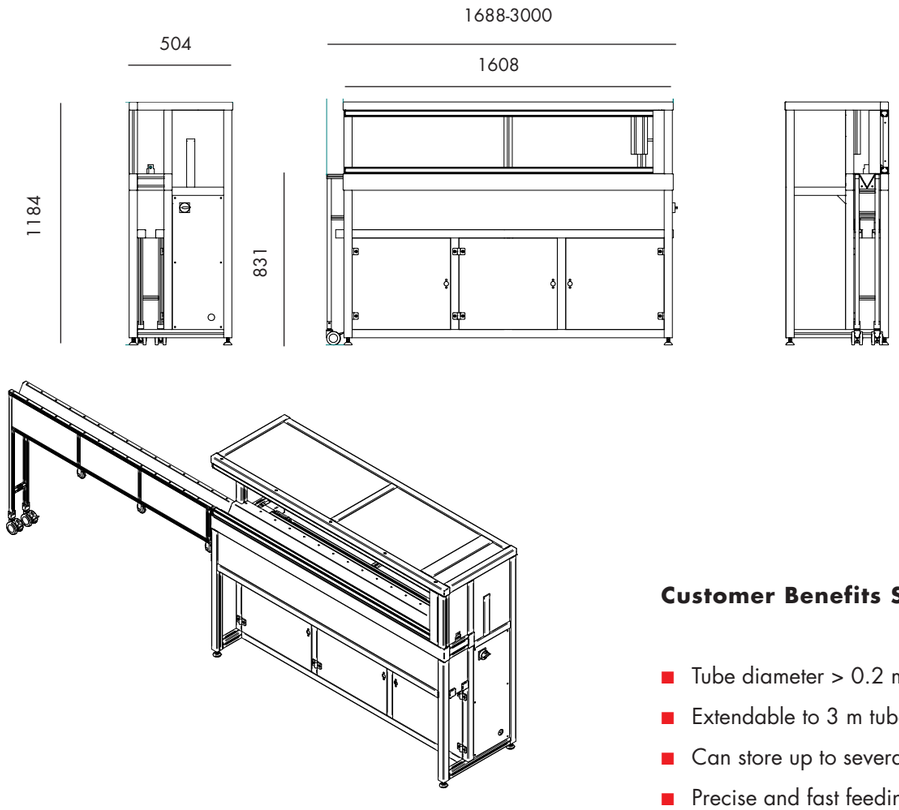
Customer Benefits StarCut Tube SL

- Smallest footprint in the market
- Tube diameter up to 15 mm
- Massive and proven mineral cast set-up
- Only 3 side accessibility necessary (minimizes production floor and allows high package density)
- High precision cutting system for medical implants (e.g. stents) or instruments
- Can cut struts smaller than a human hair
- Wet cut solution with integrated water pump
- Automatic tube feeder for dry and wet cutting
- Viewing via microscope or camera for the exact monitoring of the cutting process
- HMI-Pro with security user access levels, diagnostic and data logging
- Sorter module adaptable

Customer Benefits StarCut Tube

- Massive and proven granite set-up
- Flat cutting option
- Tube diameter up to 30 mm
- Available with 2, 3 or 4 axes
- High precision cutting system for medicalimplants (e.g. stents) or instruments
- Can cut struts smaller than a human hair
- Wet cut solution with integrated water pump
- Automatic tube feeder for dry and wet cutting
- Viewing via microscope or camera for the exact monitoring of the cutting process
- HMI-Pro with security user access levels, diagnostic and data logging
- Sorter module adaptable

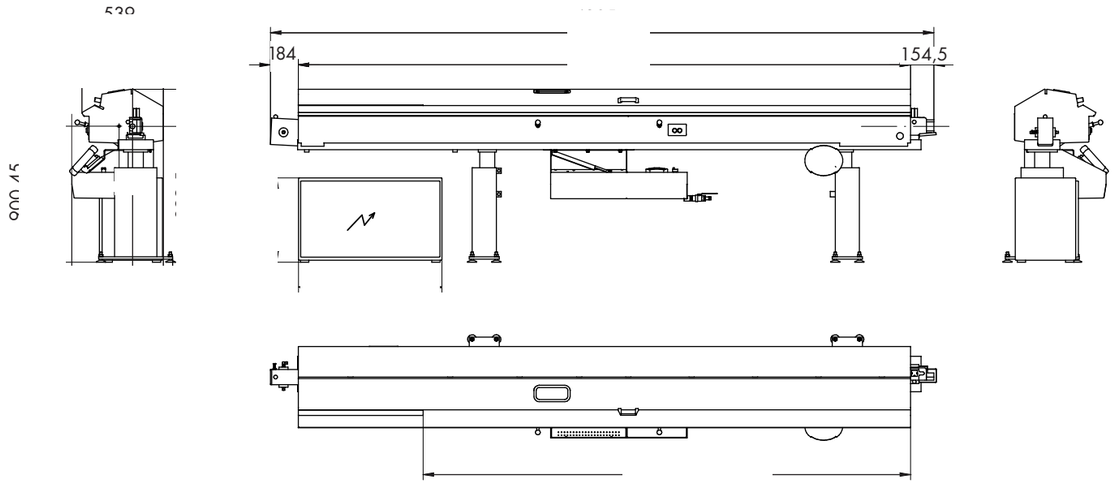
StarFeed S



Customer Benefits StarFeed S

- Tube diameter > 0.2 mm
- Extendable to 3 m tube length
- Can store up to several hundred tubes
- Precise and fast feeding
- No damage due to innovative and sensor-controlled gripping unit
- Increase of productivity
- Unmanned production

StarFeed L



Customer Benefits StarFeed L

- Automatic tube feeder for dry and wet cutting
- Tube length max. 3.80 (12.46 ft)
- Storage for 20 or optional 48 tubes
- Tube diameter from 1-20 mm
- Cutting of oval tubes possible
- Increase of productivity
- Unmanned production

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ROFIN-BAASEL Lasertech in Bavaria

- Leader in laser solutions for the medical device industry
- Highest quality products
- More than 20 years of experience in high precision tube cutting systems
- Several hundred StarCut Tube systems installed all over the world
- Customer service support in more than 50 countries
- Fully equipped application lab for process development

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WE THINK LASER