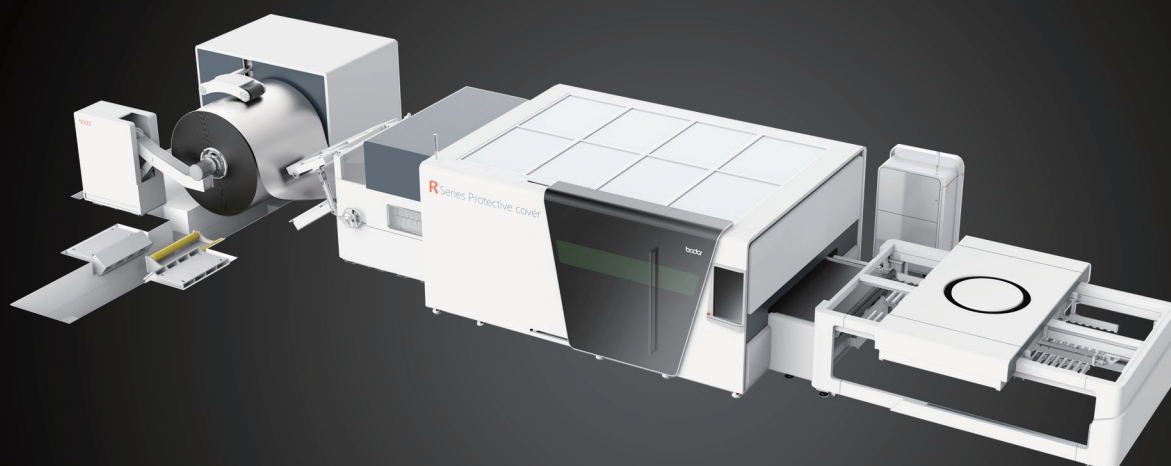


Coil Fiber Laser Cutting Machine-R Series



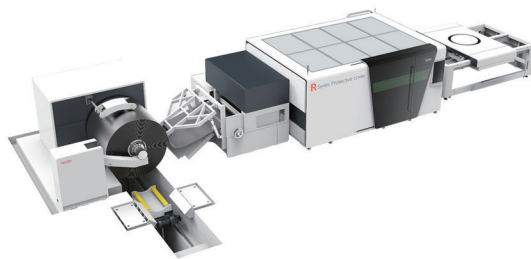
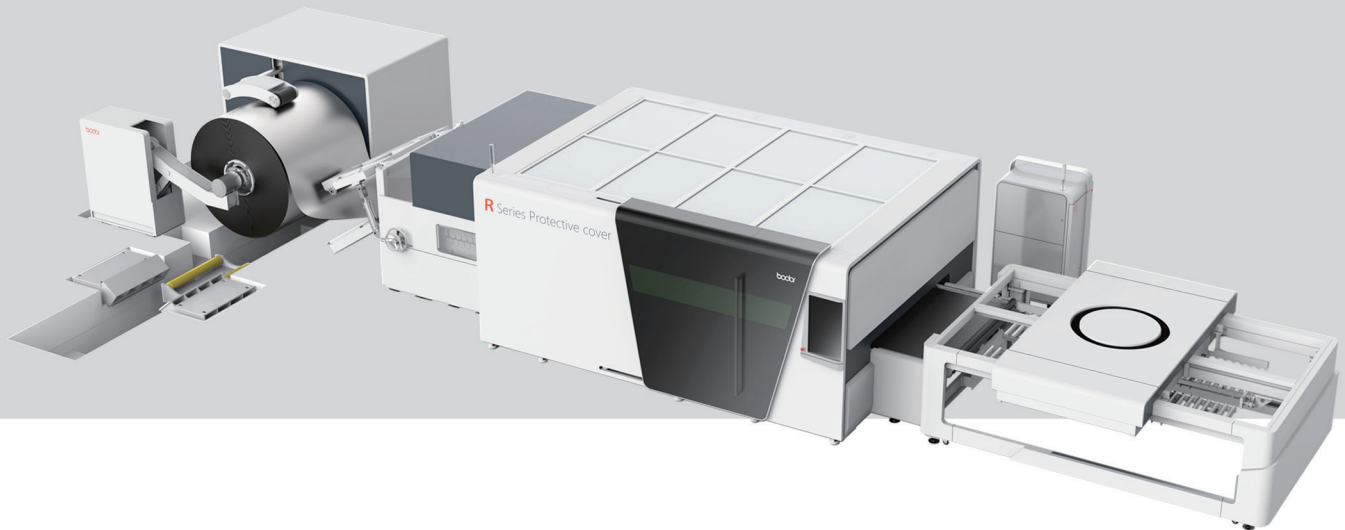
R Series Coil Fiber Laser Cutting Machine

The equipment meets the parts processing requirements of most industries, working accuracy is stable. Selecting the optimal force and supporting structure, the overall mechanical property of equipment is perfect. Adopting cutting-edge optical concept to improve cutting performance. High speed cutting, auxiliary loading and unloading and efficient production reduce labor costs. At present, laser cutting machines have been widely used in Fitness equipment, oil pipeline, construction machinery, bus manufacturing, locomotive manufacturing, agricultural and forestry machinery, household electrical appliances manufacturing .

Product parameters

Model	R1500
Dimensions	3000mm*1524mm
Laser Power	3000w/2000w/1500w/1000w
Leveling accuracy	$\leq 1.5\text{mm/m}^2$
X/Y-axis positioning accuracy	0.03mm
X/Y-axis repositioning accuracy	0.02mm
Max. linkage speed	140m/min
Coil O.D	$\phi 1200 \sim \phi 2000\text{mm}$
Coil I.D	$\phi 508$ 、 $\phi 610\text{mm}$
Coil weight	$\leq 20\text{t}$
Line speed	$\leq 20\text{m/min}$
Leveling accuracy	$\leq 1.5\text{mm/m}^2$

Full Set Machining Solution for Coil



Coil cutting machine of Bodor C series integrates automatic uncoiling, leveling, loading and cutting to ensure the continuity of production and improve processing efficiency. Assembly line production reduces labor intensity and saves manpower. All-around protection design and compact structure offer more safety during operation.



AUTOMATIC FOCUSING FUNCTION OF LASER HEAD

Auto focus

Applicable to multiple focal lengths, automatically adjusts focal position in cutting process by different sheet thickness.

Free your hands

Focal length is controlled by operating system, which effectively avoids errors or faults caused by manual operation.

Simple and fast

Applying Bodor lightning perforation technology reduce almost 90% work time. When technician changes different metal sheet, Auto focus laser head can automatically read system storage parameters, which make the cutting process less gas, less electricity, lower cost, high efficiency.

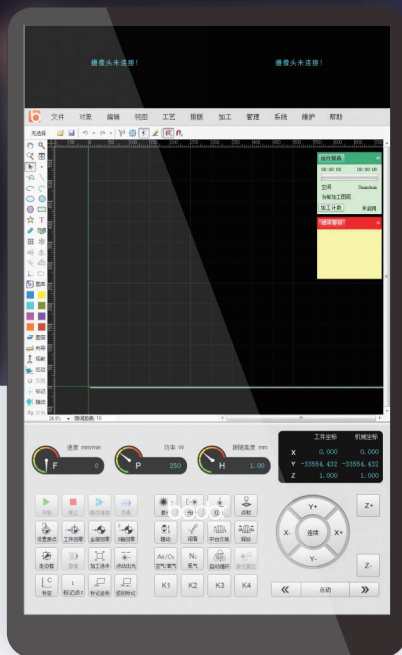
Accurate

By setting perforation focal length and cutting focal length respectively, the cutting is more accurate.

Durable

By increasing collimation & focus protective lens, the key components can be protected. Built-in double water-cooling structure ensures constant temperature of collimating and focusing components, prevents lenses from overheating and prolongs service life of lenses.

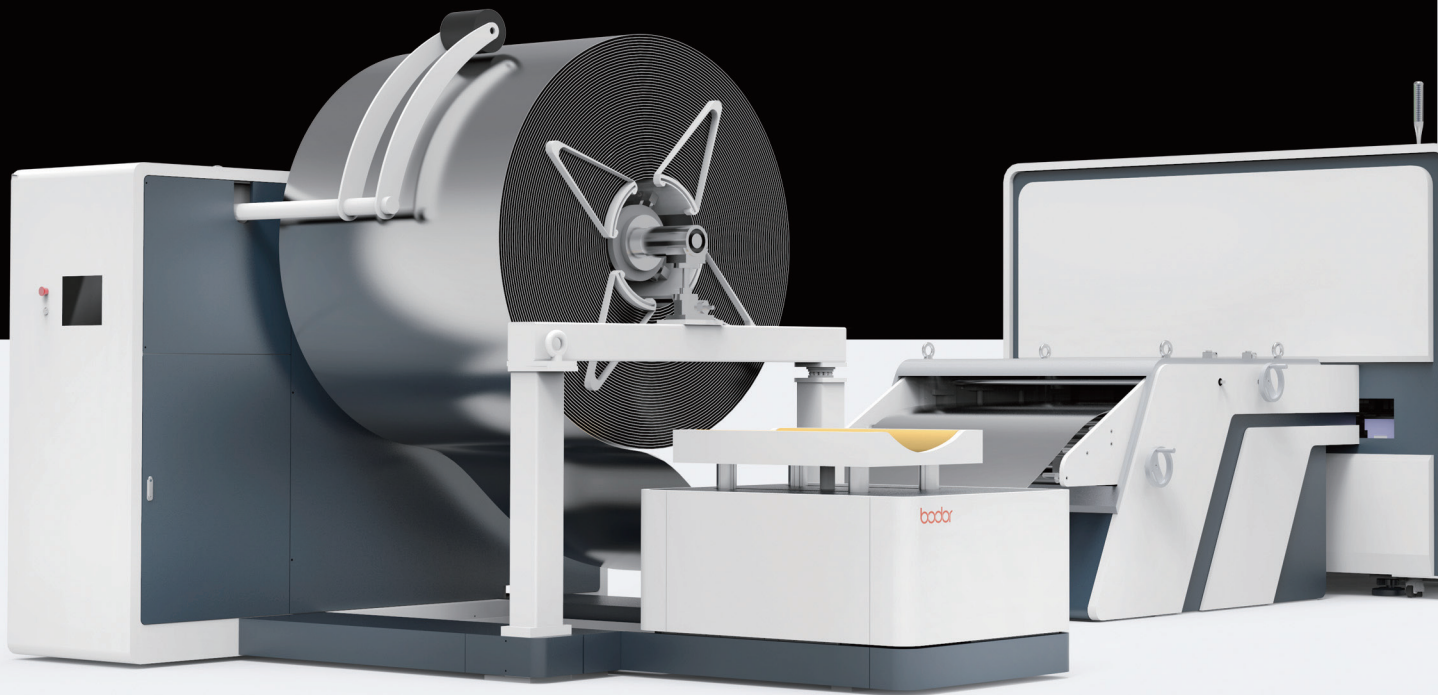
Bodor Pro 2.0



Bodor Pro 2.0

Independent R&D operating system offers simple interface and operation method, supports input of multiple types of graphics, automatically optimizes cutting orders, intelligently search-edges, and has automatic positioning function.

SUITABLE SPECIFICATIONS



Automatic Coil Cutting Machine--R Series

Suitable Coil Specifications:

Coil Outer Diameter: $\phi 1200 \sim \phi 2000\text{mm}$

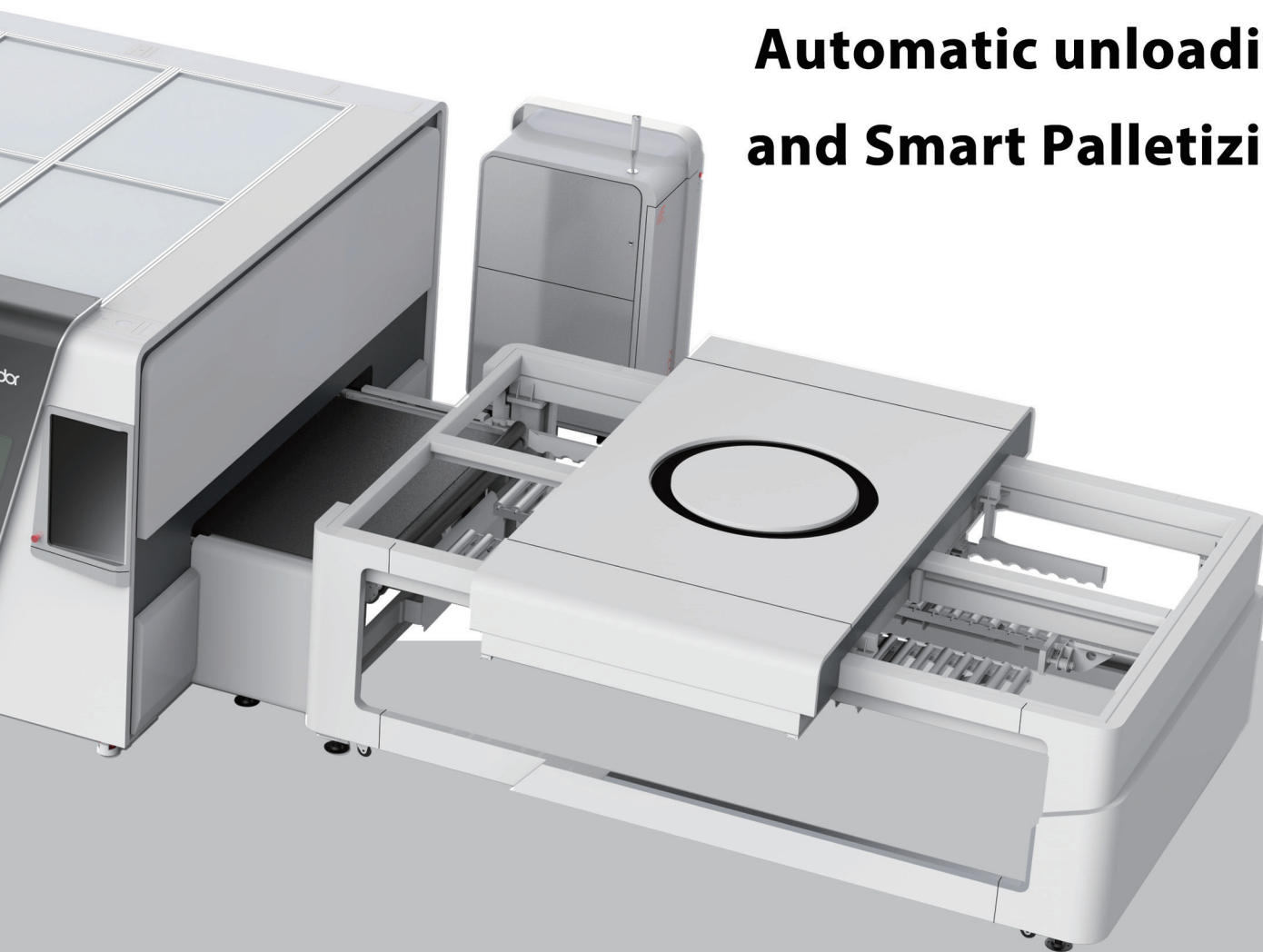
Coil Inner Diameter: $\phi 508$ 、 $\phi 610\text{mm}$

Sheet Thickness: $0.8 \sim 3\text{mm}$

Working Area: $3000\text{mm} \times 1524\text{mm}$

Automatic Loading of Coil Material; Continuous Cutting; Batch Processing; Higher Processing Efficiency; Lower Labor Intensity.

Automatic unloading and Smart Palletizing



Adopt belt conveyor and adjustable width-limiting device. After processing, sheets will be automatically transmitted to unloading device, and palletized by lifting device according to material width. No manual sorting will be needed after processing, improving efficiency and saving labor.

All-around Protective Cover

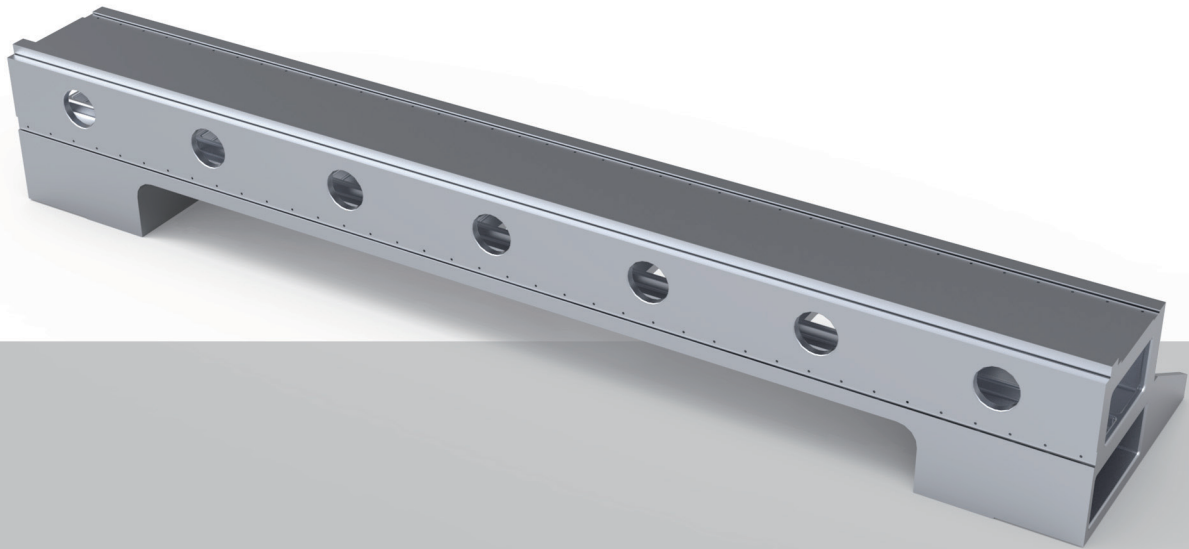
UPGRADED SAFETY



Automatic Coil Cutting Machine--R Series

The all-around protective cover improves safety during operation. The laser-proof glass prevents laser radiation to operators. Smoke and dust produced will be automatically collected. And the intelligent monitoring system lowers accident rate. All of these functions ensure the safety of the cutting process.

CAST ALUMINUM CROSSBEAM

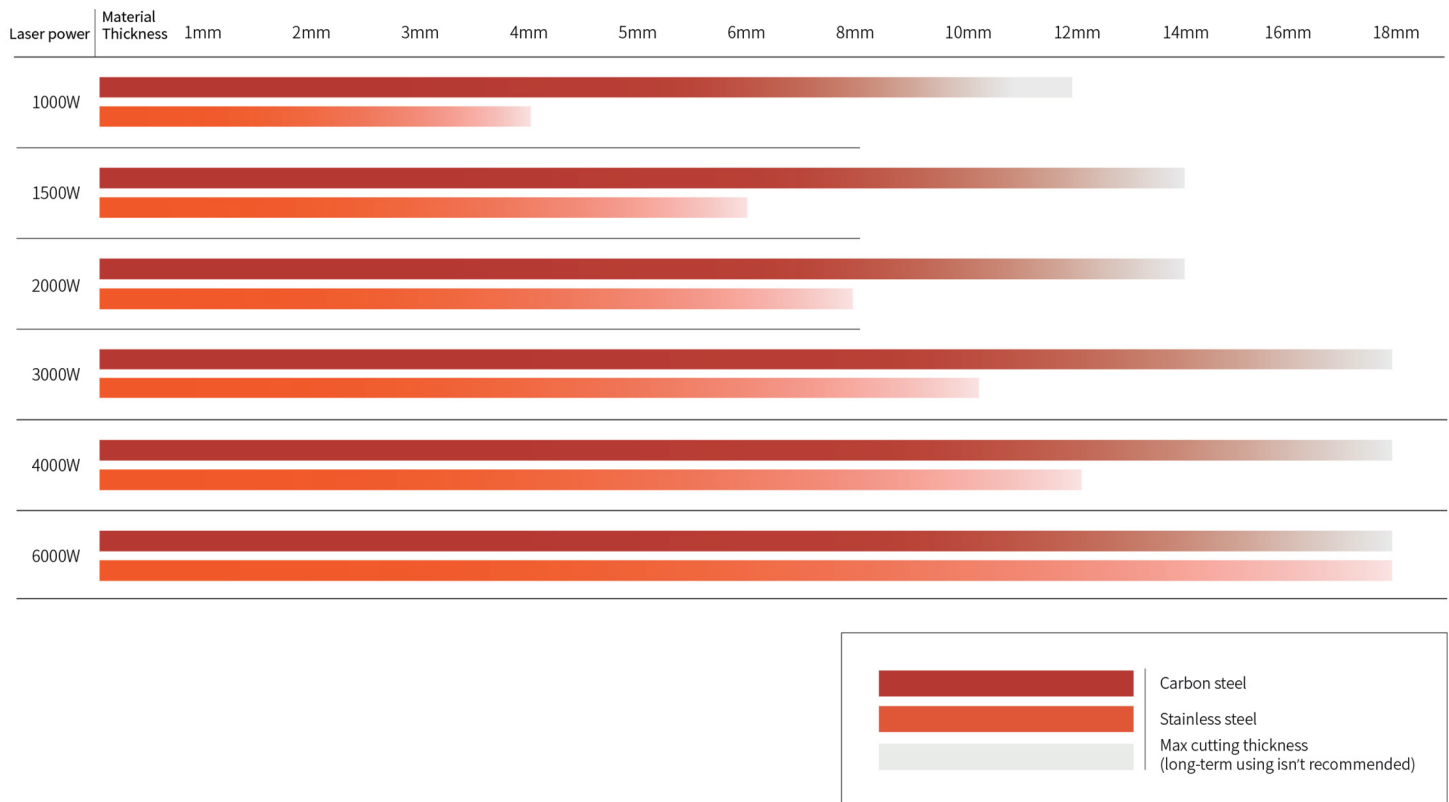


Cast aluminum crossbeam

Integral Pressure Casting by Steel Mold Makes It Light, Flexible and Efficient

Solution treatment and fine finishing give the crossbeam desirable integrity, rigidity, surface quality as well as toughness and ductility. The light weight and strong rigidity of aluminum alloy are suitable for high speed movement during processing, and the high flexibility is beneficial to high-speed cutting of various graphics if the cutting accuracy is ensured. Light crossbeam offers high operation speed, improving efficiency and ensuring quality.

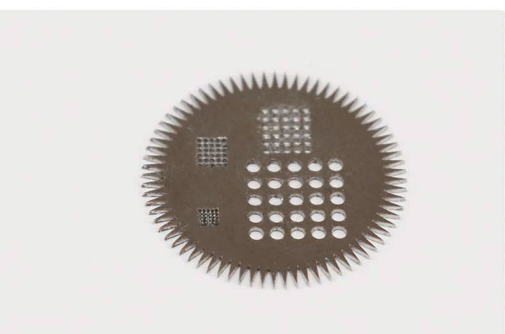
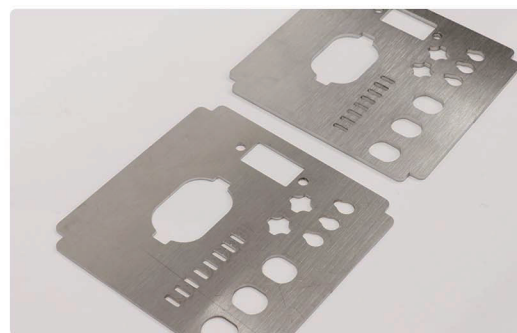
Cutting Capacity



Above data is only for reference

Fiber Laser Cutting Process Parameters

		1000W	MAX-1000W(25um)	1500W	2000W	MAX-2000W(50)	YLR-2000W	3000W	MAX-3000W(50)	4000W	MAX-4000W(50)
Material	Thickness	speed m/min	speed m/min	speed m/min	speed m/min	speed m/min	speed m/min	speed m/min	speed m/min	speed m/min	speed m/min
Carbon steel (Q235A) O2	1	8.0--10	8.0--10	8.0--10	8.0--10	8.0--10	8.0--10	8.0--10	8.0--10	No support	
	2	4.0--6.5	4.5--7.0	4.5--6.5	4.7--6.5	4.7--6.5	4.7--6.5	4.8--7.5	4.8--7.5		
	3	2.4--3.0	2.4--3.0	2.6--4.0	3.0--4.8	3.0--4.8	3.0--4.8	3.3--5.0	3.3--5.0		
	4	2.0--2.4	2.0--2.4	2.5--3.0	2.8--3.5	2.8--3.5	2.8--3.5	3.0--4.2	3.0--4.2		
	5	1.5--2.0	1.5--2.0	2.0--2.5	2.2--3.0	2.2--3.0	2.2--3.0	2.6--3.5	2.6--3.5		
	6	1.4--1.6	1.4--1.6	1.6--2.2	1.8--2.6	1.8--2.6	1.8--2.6	2.3--3.2	2.3--3.2		
	8	0.8--1.2	0.8--1.2	1.0--1.4	1.2--1.8	1.2--1.8	1.2--1.8	1.8--2.6	1.8--2.6		
	10	0.6--1.0	0.6--1.0	0.8--1.1	1.1--1.3	1.1--1.3	1.1--1.3	1.2--2.0	1.2--2.0		
	12	0.5--0.8	0.5--0.8	0.7--1.0	0.9--1.2	0.9--1.2	0.9--1.2	1.0--1.6	1.0--1.6		
	14			0.5--0.7	0.7--0.8	0.7--0.9	0.8--1.0	0.9--1.2	0.9--1.2		
	16				0.6--0.7	0.6--0.8	0.6--0.8	0.7--1.0	0.7--1.0		
	18				0.4--0.6	0.5--0.7	0.5--0.7	0.6--0.8	0.6--0.8		
	20							0.5--0.8	0.5--0.7		
	22							0.3--0.7	0.3--0.7		
	25										
Stainless steel (201) N2	1	18--25	24--36	20--27	24--30	24--50	24--50	30--35	30--58	No support	
	2	5--7.5	6--10	8.0--12	9.0--12	9.0--14	9.0--15	13--21	13--39		
	3	1.8--2.5	2.2--3.5	3.0--5.0	4.0--6.5	4.0--7.0	4.8--7.5	6.0--10	6--14		
	4	1.2--1.3	1.2--1.6	1.5--2.4	3.0--4.2	3.2--4.5	3.2--4.5	4.0--6.0	4.0--7.0		
	5	0.6--0.7	0.6--0.75	0.7--1.3	1.8--2.5	2.0--2.8	2.0--2.8	3.0--5.0	3.0--5.0		
	6			0.7--1.0	1.2--1.8	1.2--2.0	1.2--2.0	2.0--4.0	2.0--4.0		
	8				0.7--1.0	0.7--1.0	0.7--1.0	1.5--2.0	1.5--2.0		
	10							0.6--0.8	0.6--0.8		
	12							0.4--0.6	0.4--0.6		
	14										
	16										
Aluminum N2	1	6.0--10	6.0--10	10--20	15--25	15--25	20--30	25--38	25--40	No support	
	2	2.8--3.6	2.8--3.6	5.0--7.0	7--10	7--10	10--15	10--18	13--20		
	3	0.7--1.5	0.7--1.5	2.0--4.0	4.0--6.0	4.0--6.0	5.0--7.0	6.5--8.0	6.5--8.0		
	4			1.0--1.5	2.0--3.0	3.5--4.0	3.5--5.0	3.5--5.0	3.5--5.0		
	5			0.7--1.0	1.2--1.8	1.2--1.8	1.8--2.5	2.5--3.5	2.5--3.5		
	6				0.7--1.0	1.0--1.5	1.0--1.5	1.5--2.5	1.5--2.5		
	8				0.6--0.8		0.6--0.8	0.7--1.0	0.7--1.0		
	10							0.4--0.7			
	12							0.3--0.45			
	16										
	20										
Brass N2	1	6.0--10	6.0--10	8.0--13	10--16	10--16	12--18	20--35	20--35	No support	
	2	2.8--3.6	2.8--3.6	3.0--4.5	4.5--7.5	5.0--6.0	6.0--8.5	6.0--10	6.0--10		
	3	0.5--1.0	0.5--1.0	1.5--2.5	2.5--4.0	2.5--4.0	2.5--4.0	4.0--6.0	4.0--6.0		
	4			1.0--1.6	1.5--2.0	2.0--3.0	2.0--3.0	3.0--5.0	3.0--5.0		
	5			0.5--0.7	0.9--1.2		0.9--1.2	1.5--2.0	1.5--2.0		
	6				0.4--0.7		0.4--0.9	1.0--1.8	1.0--1.8		
	8							0.5--0.7			
	10										
	12										



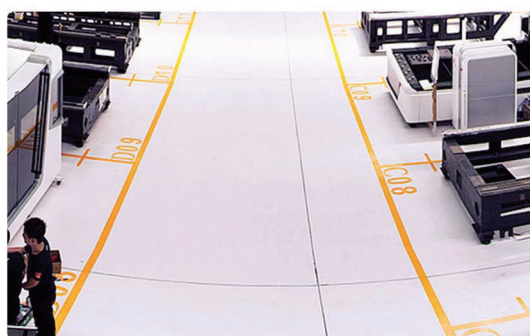
Metal Samples

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WORKSHOP

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