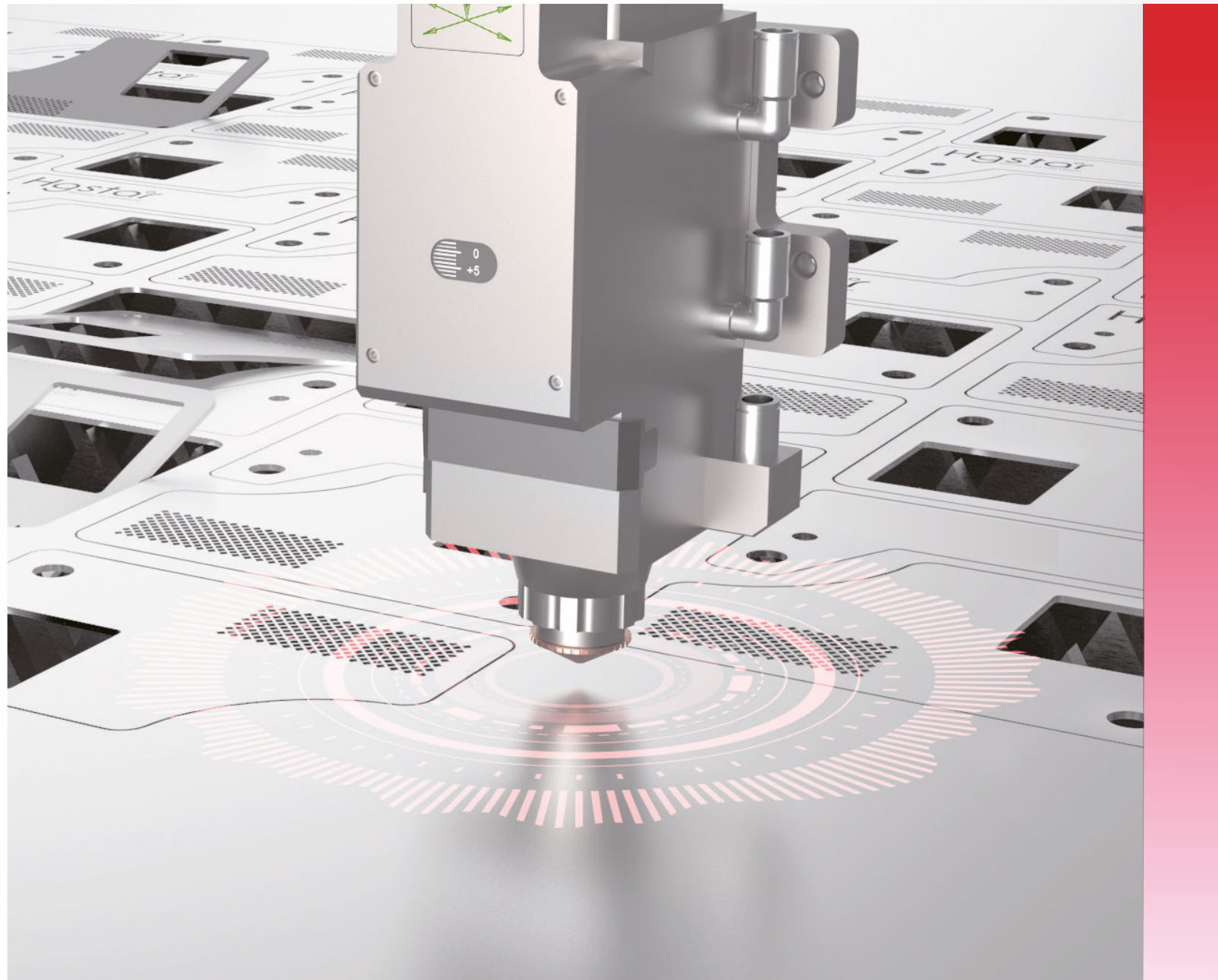




CUTTING

machine



01



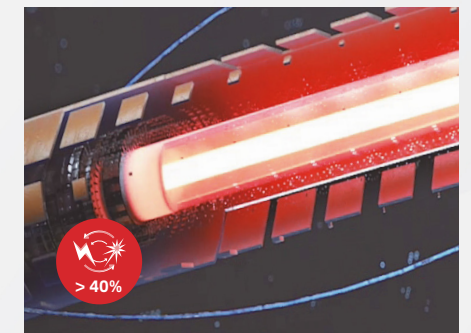
High strength machine bed



Partition dust removal



Exclusive tuning database



Higher photoelectric conversion efficiency

Smart E

series

MODEL & Cutting Area (LxW)

- SMART 3015E**
3048 mm x 1524 mm
- SMART 4015E**
4064 mm x 1524 mm
- SMART 4020E**
4064 mm x 2032 mm
- SMART 6015E**
6096 mm x 1524 mm

Laser Source
Fiber & 1500W - 6000W

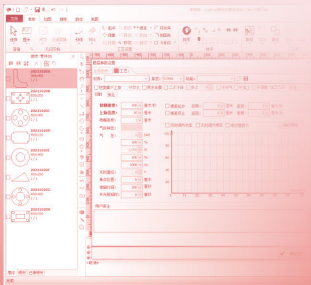
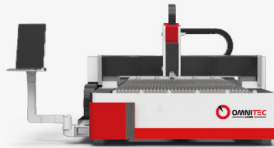
CNC System
XC3000S / FSCUT

Max Moving Speed
100m/min, Acceleration is 1G

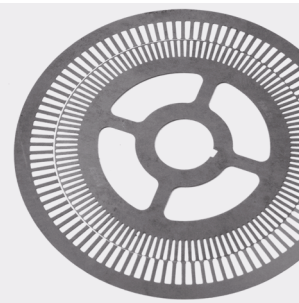
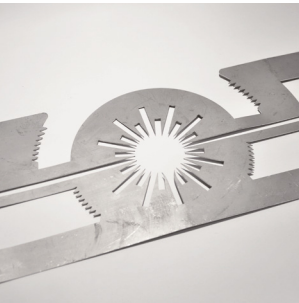
Position Accuracy (X and Y axis)
0.05mm

Reposition Accuracy (X and Y axis)
0.03mm

Power Supply Requirement
220V 60Hz



Compact layout
Economical & Practical



Smart Pro

series



MODEL & Cutting Area (LxW)

- SMART 3015Pro**
3048 mm x 1524 mm
- SMART 4015Pro**
4064 mm x 1524 mm
- SMART 4020Pro**
4064 mm x 2032 mm
- SMART 6015Pro**
6096 mm x 1524 mm
- SMART 6025Pro**
6096 mm x 2540 mm

Laser Source
Fiber & 1500W - 30000W

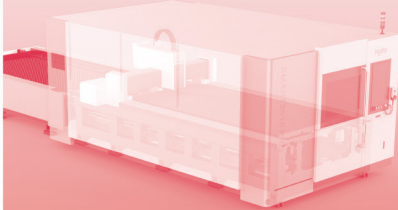
CNC System
FSCUT

Max Moving Speed
120m/min, Acceleration is 1.2G

Position Accuracy (X and Y axis)
0.05mm

Reposition Accuracy (X and Y axis)
0.03mm

Power Supply Requirement
220V/440V 60Hz



More Environmentally friendly
More Secure

Smart Plus

series

MODEL & Cutting Area (LxW)

SMART 3015Plus
3048 mm x 1524 mm

SMART 4015Plus
4064 mm x 1524 mm

SMART 4020Plus
4064 mm x 2032 mm

SMART 6015Plus
6096 mm x 1524 mm

SMART 6025Plus
6096 mm x 2540 mm

Laser Source
Fiber & 1500W – 12000W

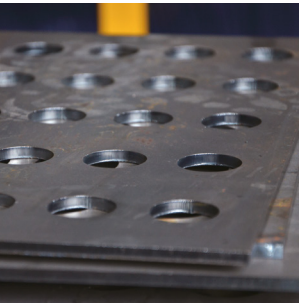
CNC System
FSCUT

Max Moving Speed
120m/min, Acceleration is 1.2G

Position Accuracy (X and Y axis)
0.05mm

Reposition Accuracy (X and Y axis)
0.03mm

Power Supply Requirement
220V/440V 60Hz



**Processing
& Feeding**
at the same time

Smart Pro+

series



MODEL & Cutting Area (LxW)

SMART 3015Pro+
3048 mm x 1524 mm

SMART 4015Pro+
4064 mm x 1524 mm

SMART 4020Pro+
4064 mm x 2032 mm

SMART 6015Pro+
6096 mm x 1524 mm

SMART 6025Pro+
6096 mm x 2540 mm

Laser Source
Fiber & 12000W – 60000W

CNC System
HYPCUT

Max Moving Speed
120m/min to 300m/min

Accelerations
1.2G to 3G

Position Accuracy (X and Y axis)
0.05mm

Reposition Accuracy (X and Y axis)
0.03mm

Power Supply Requirement
220V/440V 60Hz



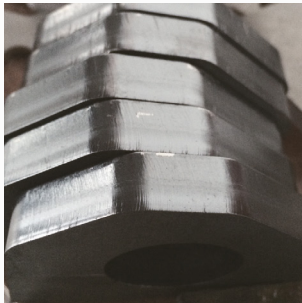
Optional



Optional



**King of
high power**
Faster, thicker
& better cutting



Smart FS

series

MODEL & Cutting Area (LxW)

SMART 3015FS
3048 mm x 1524 mm

Laser Source
Fiber & 1500W – 6000W

CNC System
FSCUT

Max Moving Speed
100m/min, Acceleration is 1G

Position Accuracy (X and Y axis)
0.05mm

Reposition Accuracy (X and Y axis)
0.03mm

Power Supply Requirement
220V 60Hz



Side Opening
For Convenient
Loading



Smart LA

series



MODEL & Cutting Area (LxW)

SMART 25032LA
25000 mm x 3200 mm

Laser Source
Fiber & 6000W – 60000W

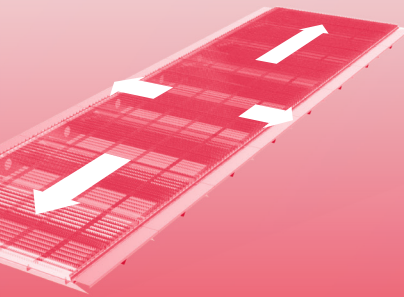
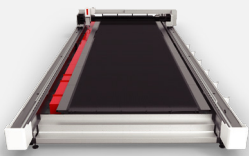
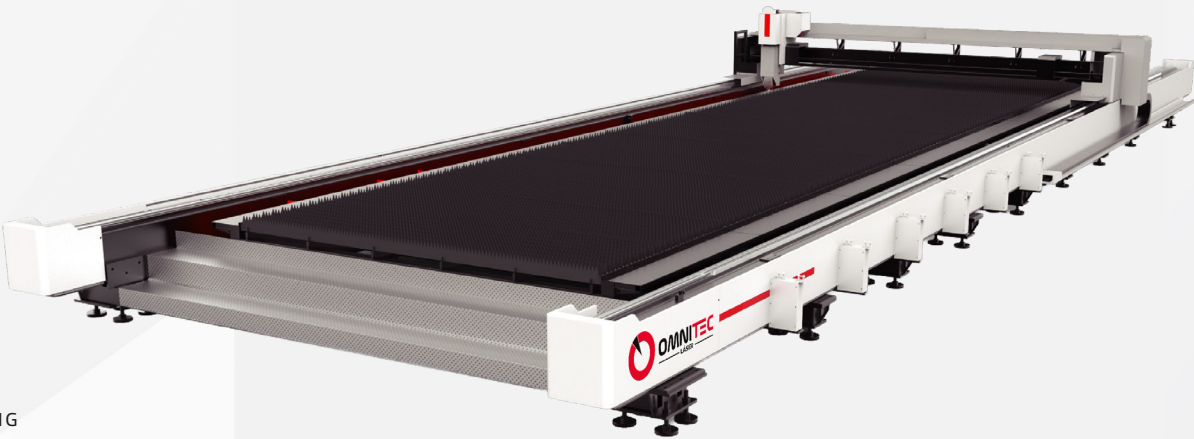
CNC System
FSCUT

Max Moving Speed
120m/min, Acceleration is 1G

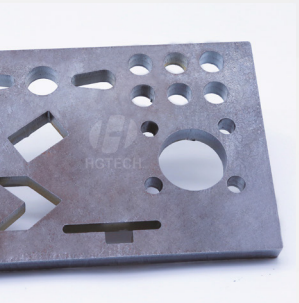
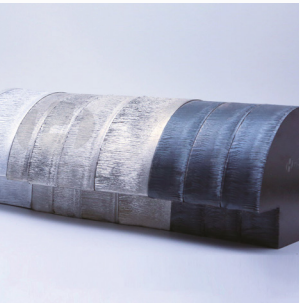
Position Accuracy (X and Y axis)
0.05mm

Reposition Accuracy (X and Y axis)
0.03mm

Power Supply Requirement
220V/440V 60Hz



Extra Large
Processing Format



Smart T / Smart Plus-T series

MODEL & Cutting Area (LxW)

SMART 3015T
3048 mm x 1524 mm

SMART 4015T
4064 mm x 1524 mm

SMART 6015T
6096 mm x 1524 mm

SMART 6025Plus-T
6096 mm x 2540 mm

Laser Source
Fiber & 1500W - 12000W

CNC System
FSCUT

Max Moving Speed
120m/min, Acceleration is 1.2G

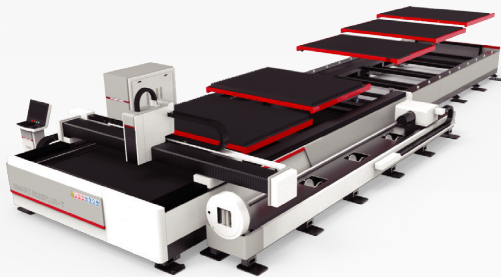
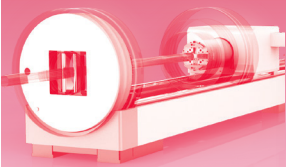
Position Accuracy (X and Y axis)
0.05mm

Reposition Accuracy (X and Y axis)
0.03mm

Power Supply Requirement
220V/440V 60Hz



Tube & Plate?
more
Economical
Options



Smart 6025 Plus-T



Smart Pro-T series

MODEL & Cutting Area (LxW)

SMART 3015Pro-T
3048 mm x 1524 mm

SMART 4022Pro-T
4064 mm x 2235 mm

SMART 6025Pro-T
6096 mm x 2540 mm

Laser Source
Fiber & 1500W - 20000W

CNC System
FSCUT

Max Moving Speed
120m/min, Acceleration is 1.2G

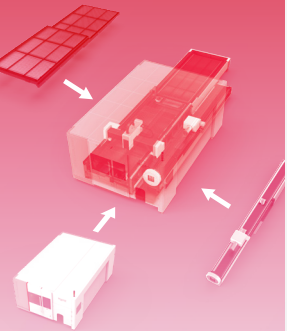
Position Accuracy (X and Y axis)
0.05mm

Reposition Accuracy (X and Y axis)
0.03mm

Power Supply Requirement
220V/440V 60Hz



Versatile
& powerful



Smart Tube

series

MODEL

SMART Tube6015

SMART Tube6035

Laser Source
Fiber & 1500W - 6000W

Chuck diameter
Φ20mm - Φ230mm

Tube feeding length
6000 mm

Maximum blanking length of the tube
1500mm / 3500mm

Maximum single tube weight
30Kg/m

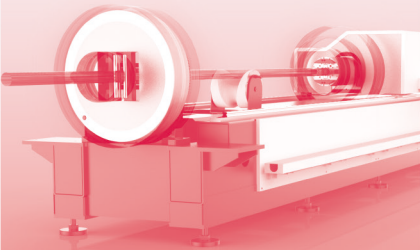
Position Accuracy (X and Y axis)
0.05mm

Reposition Accuracy (X and Y axis)
0.03mm

W-axis rotation speed
80r/min

Control system
FSCUT

Cutting material type
Carbon steel or round tube, square tube, rectangular tube, oval tube, etc of stainless steel



Double layer chuck, stable holding without damaging the pipe



Smart Talos

series



MODEL

SMART Talos 6015

SMART Talos 6035

Laser Source
Fiber & 1500W - 6000W

Chuck diameter
Φ20mm - Φ230mm

Tube feeding length
6000 mm

Maximum blanking length of the tube
1500mm / 3500mm

Maximum single tube weight
30Kg/m

Position Accuracy (X and Y axis)
0.05mm

Reposition Accuracy (X and Y axis)
0.03mm

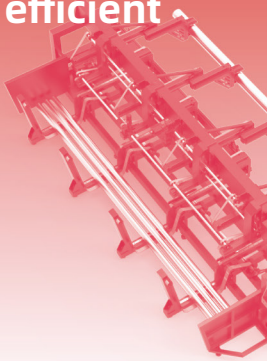
W-axis rotation speed
80r/min

Control system
FSCUT

Cutting material type
Carbon steel or round tube, square tube, rectangular tube, oval tube, etc of stainless steel

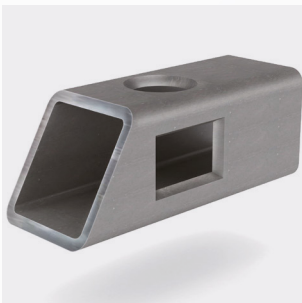
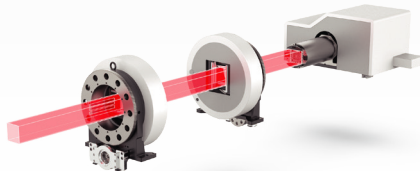


Automatic loading & unloading
More efficient



Standard 2 chucks

Optional 3 chucks



Smart Tflx

series

MODEL

SMART Tflx 6535

Laser Source
3000W / 6000W

Chuck diameter
Φ20mm - Φ230mm
Φ20mm - Φ350mm

Tube feeding length
6500 mm

Maximum blanking length of the tube
3500mm

Maximum single tube weight
230 chuck: 300Kg
350 chuck: 1100Kg

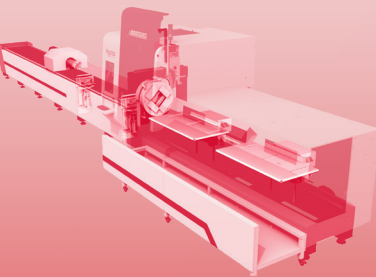
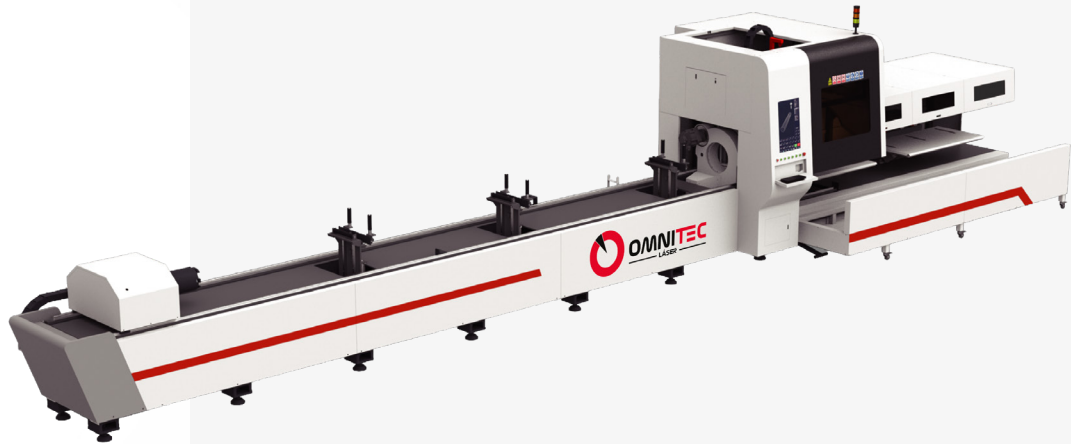
Position Accuracy (X and Y axis)
0.05mm

Reposition Accuracy (X and Y axis)
0.03mm

W-axis rotation speed
100r/min

Control system
FSCUT

Cutting material type
Carbon steel or round tube, square tube,
rectangular tube, oval tube, etc of
stainless steel



Servo-Driven Support

Enhances clamping and cutting precision, with a servo flip-down design to prevent tube deformation.



Smart TS

series



MODEL

SMART TS 6565

SMART TS 1212

Laser Source
6000W / 12000W

Chuck diameter
Φ20mm - Φ350mm
Φ20mm - Φ500mm

Tube feeding length
6500 mm / 12000 mm

Maximum blanking length of the tube
6500mm / 12000mm

Maximum single tube weight
350 chuck: 1100Kg
500 chuck: 1600Kg

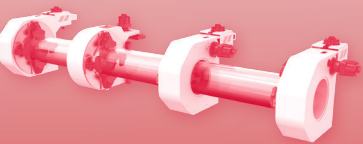
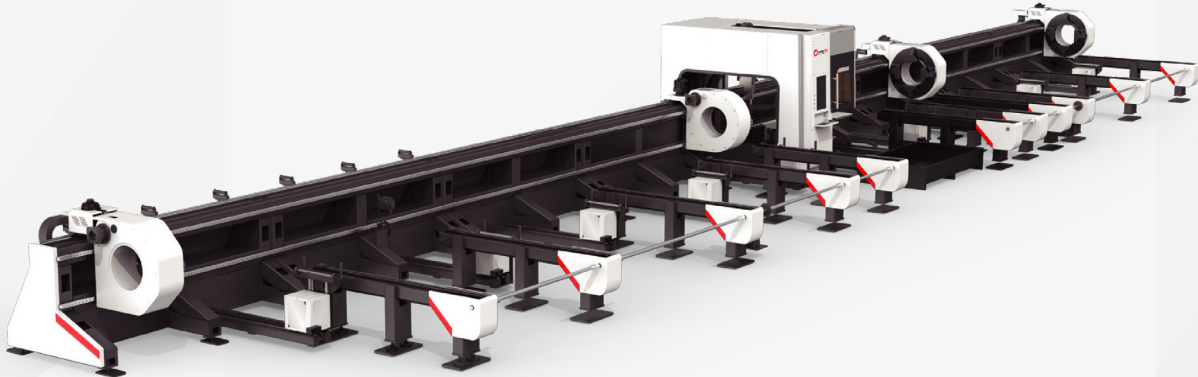
Position Accuracy (X and Y axis)
0.05mm

Reposition Accuracy (X and Y axis)
0.03mm

W-axis rotation speed
350 chuck: 60r/min
500 chuck: 40r/min

Control system
FSCUT

Cutting material type
Carbon steel or round tube, square tube,
rectangular tube, oval tube, etc of
stainless steel



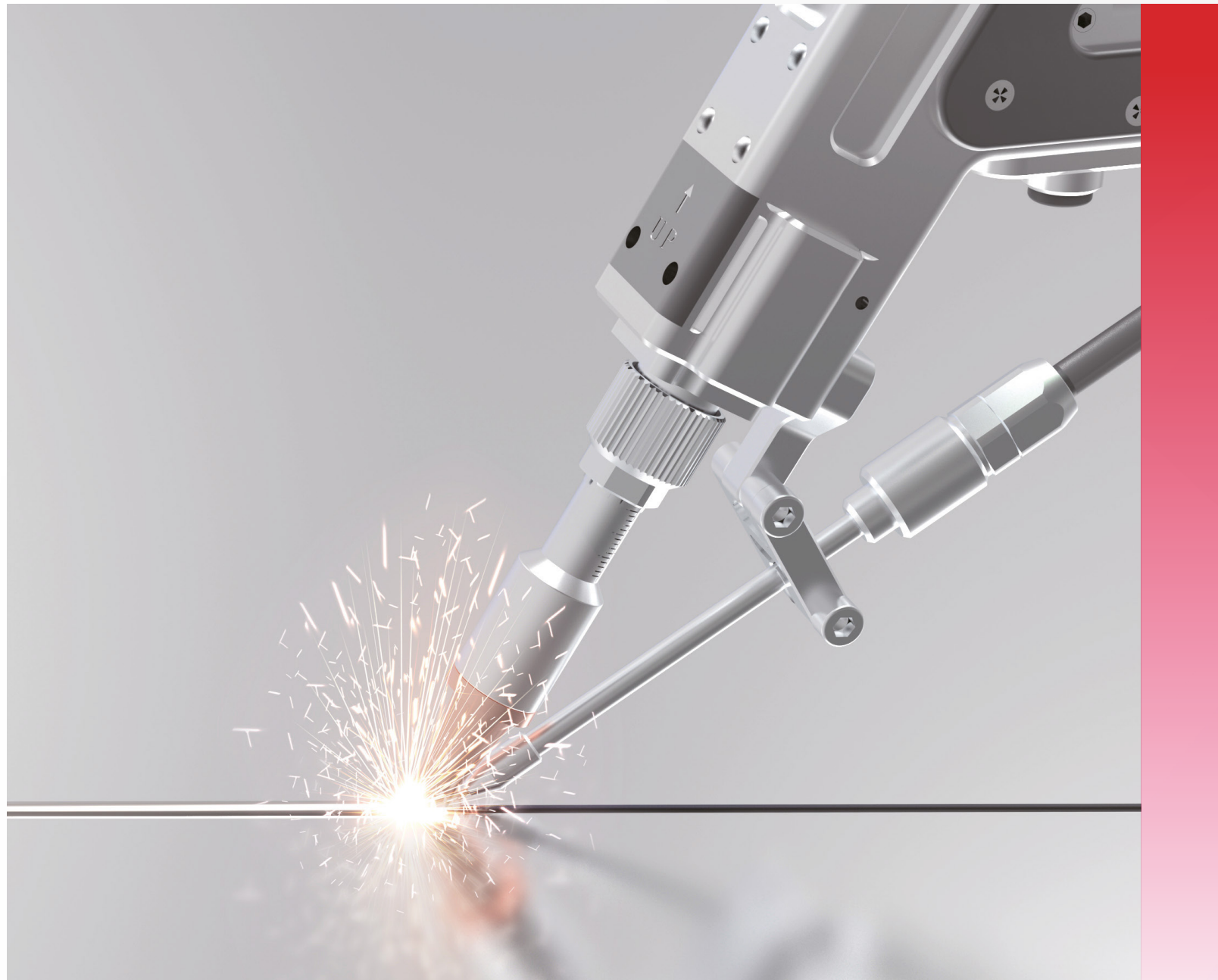
3+1 Chuck Structure

Enables 0 tailings, improving material utilization and work efficiency.

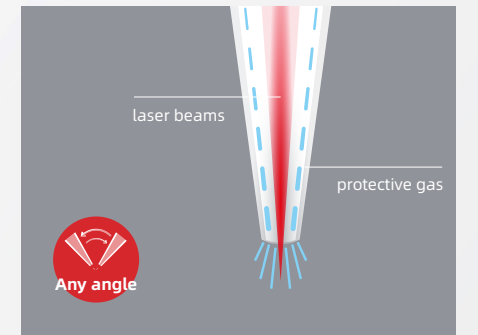
WELDING

machine

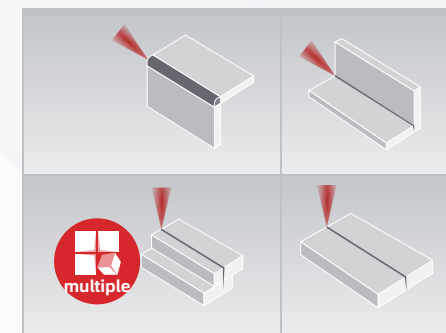
02



Exclusive tuning database



Coaxial blowing mode of protective gas



Capable of various welding methods



Wobble welding heads

Smart HW

series



MODEL

SMART -HW

Laser Source
Fiber & 1500-3000W

Wavelength
1080nm

Frequency
20-5000Hz

Cooling method
Water cooling

Fiber length
10M

Gas Shield
N₂ or Ar

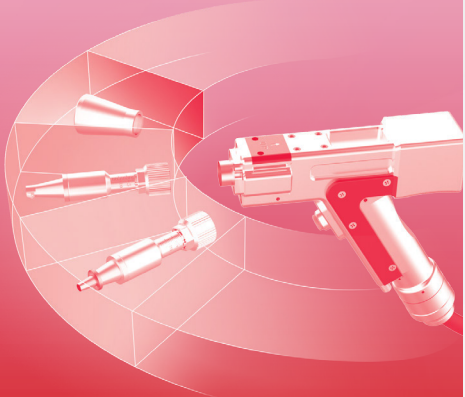
Power consumption
6KW / 8KW / 10KW

Air pressure requirement
4-6Bar
Select nitrogen,argon
according to process requirements.

Electricity demand
220V 60Hz



Fast switching
One machine with multiple
functions



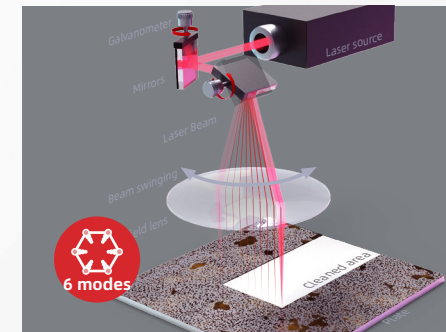
4 IN 1

cutting machine + welding machine + cleaning machine + welding line cleaning = SMART-HWE

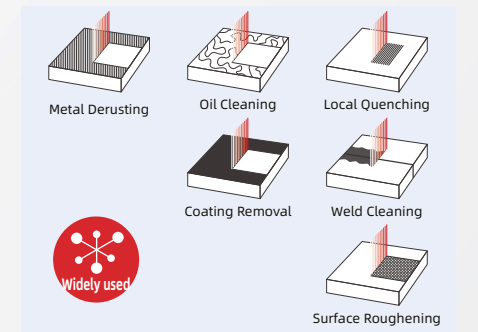
CLEANING

machine

03



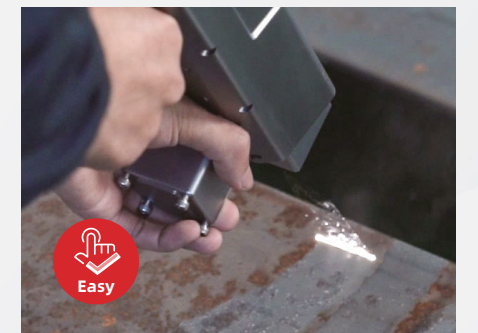
Multiple Scanning Modes



Higher photoelectric conversion efficiency



Virtually maintenance-free



Easy to operate

Smart HC

series

MODEL

SMART -HC

Laser Power
CW & 1.5KW / 2KW / 3KW

Fiber length
10m

Cooling method
Water cooling

Scanning range
300mm,Continuously adjustable

Frecuency
20-5000Hz

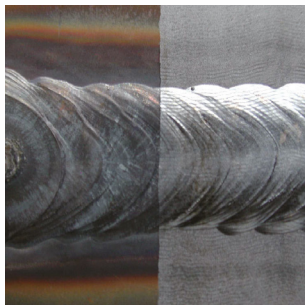
Working temperature
5°C ~ 40°C

Overall size
about 1055mm×620mm×1090mm

Electricity demand
220V 60Hz



Classic Models
Stable &
Efficient



Smart HP

series

MODEL & Total size

SMART -HP100
350×450×700mm

SMART -HP200/300
920×410×740mm

SMART -HP500
1015×730×1100

Power
100 / 200 / 500 / 1000W

Speed
≤25000mm/s

Cooling system
Water cooling

Mode
Manual / Auto

Working distance
110mm

Fiber length
5M

Working temperature
0-40°C

Demand vibration
Less than0.98m/s2(0.1G) 10 60Hz.
Transportation Less than 4.9 m/s2(0.5G)

Electricity demand
220V 60Hz



SMART -HP200/300
200W/300W air cooling fiber laser cleaning machine



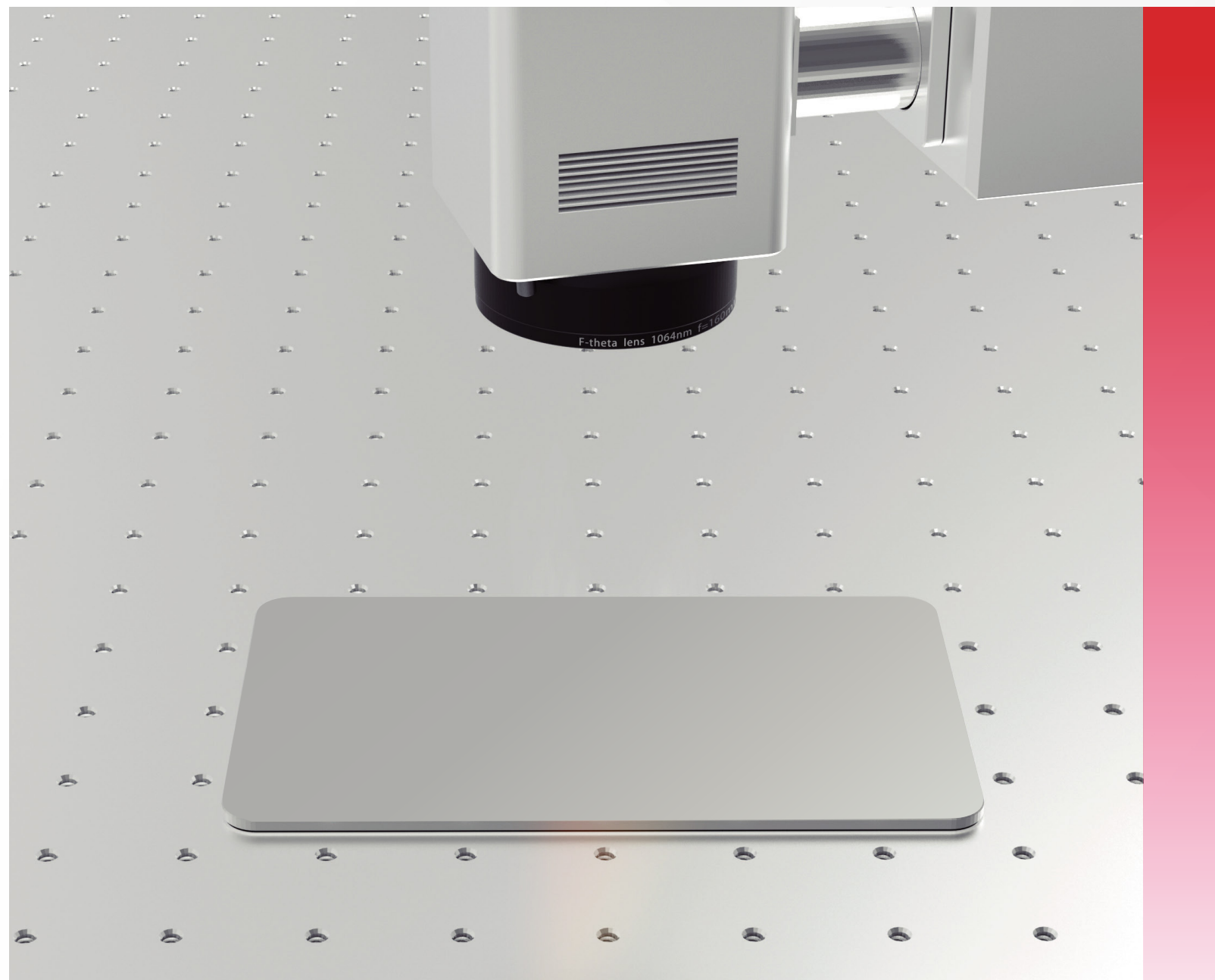
Reliable
laserpulse
No damage
to substrate



MARKING

machine

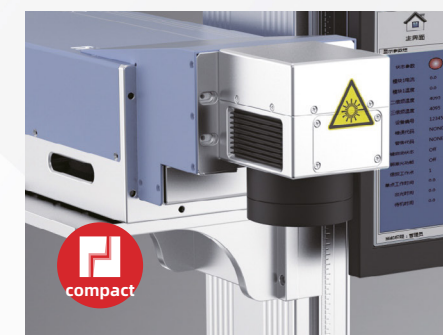
04



Virtually maintenance-free



Multi-purpose



Compact and convenient



Easy to operate

Smart HM

series

MODEL & Total size

SMART HM
288x109x152mm

Power&Type
20W / 30W / 50W

Laser Adjustment Range
25-100% (gradient adjustable)

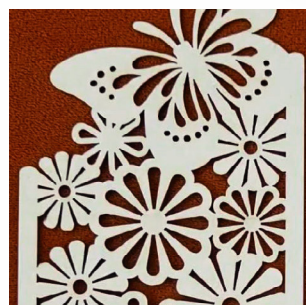
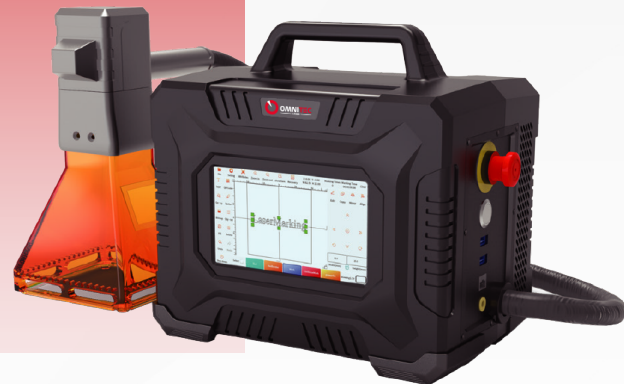
Marking area
110 × 110mm

Cooling method
Air cooling

Engraving Speed
4000mm/s

Machine Power
<100W

Power Supply
Built-in lithium battery
power supply/ DC20V



Smart HMD

series

MODEL & Power

SMART HMD-F
Fiber & 20/30/50/100/200W

SMART HMD-M
Mopa 20/30/60W

SMART HMD-U
UV & 3/5/10/20W

Laser wavelength
Fiber & 1064nm
CO₂ & 10.6μm
UV & 355nm

Galvo head marking speed
F=160mm, ≤7000 mm/s

Marking area
110 × 110mm
(70mm × 70mm, 145mm × 145mm,
175mm × 175mm, Optional)

Cooling method
Air cooling

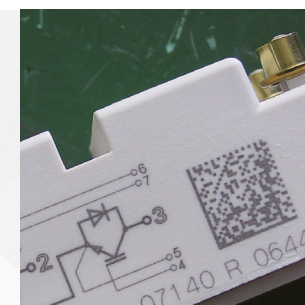
Supported file formats
.ai, .plt, .dxf etc

Lifting height
500mm

Electricity demand
220V 50/60Hz



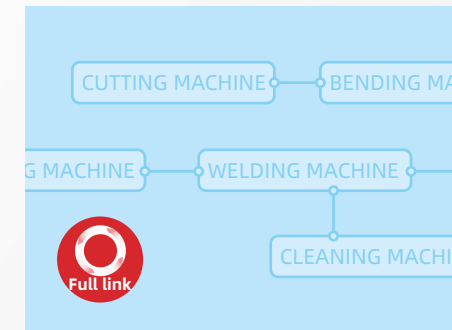
**Excellent
marking
effect**



AUTOMATION

machine

05



Full chain production closed-loop



Overall control and fine tuning



Reduce cost and increase efficiency



Reduce safety hazards in manual operations

Smart HCW

series

MODEL

SMART - HCW

Format
1000 x 2000 / 1500 x 3000

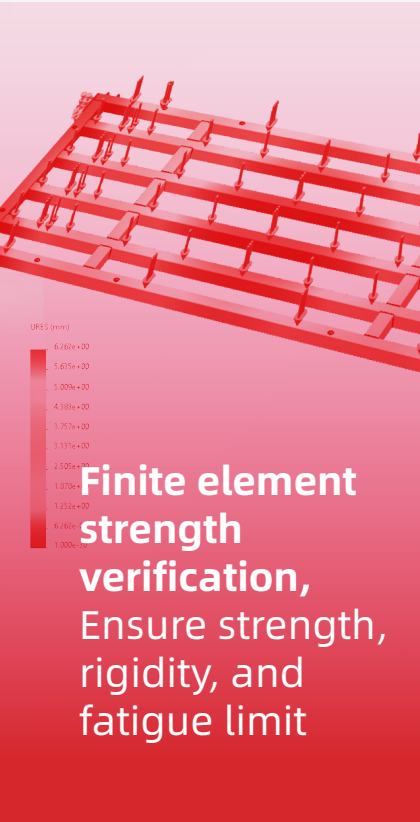
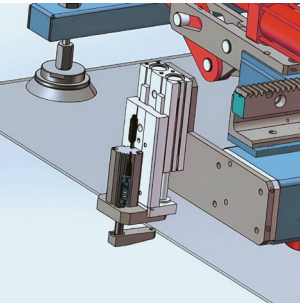
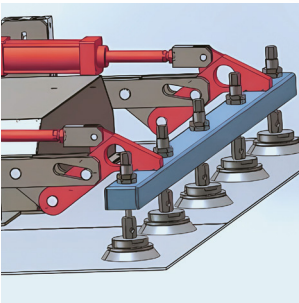
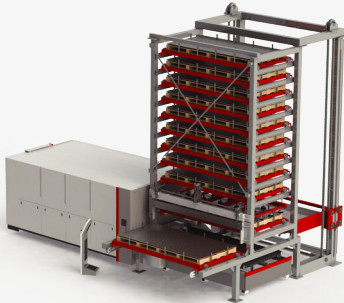
Sheet Thickness
0.5~10mm

Number of Layers
8

Maximum Load per Layer
3T

Maximum Load per Sheet
350KG

Total Power/Output Voltage
16KW/380V



Smart HCR

series



MODEL

SMART - HCR

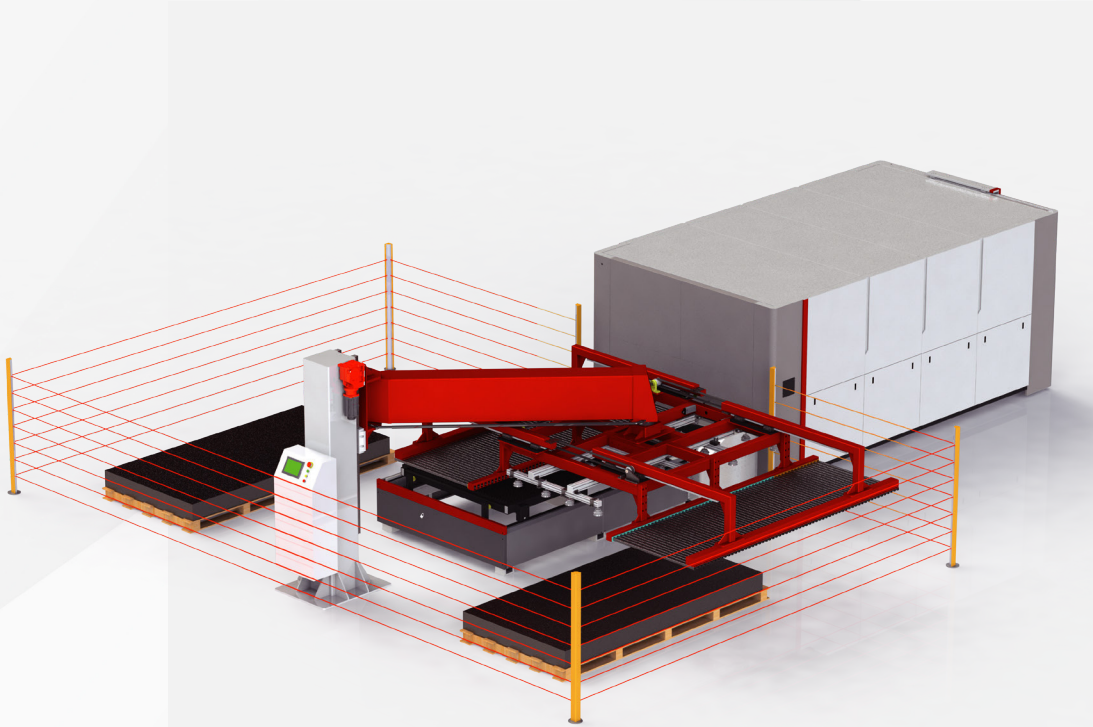
Maximum Format
1500 x 3000 / 2000 x 4000

Minimum Format
600 x 1000

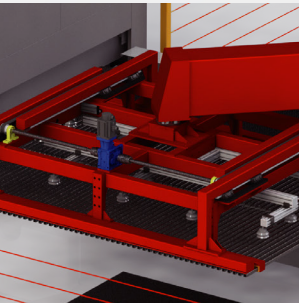
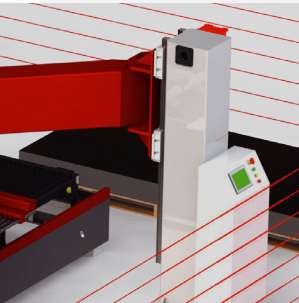
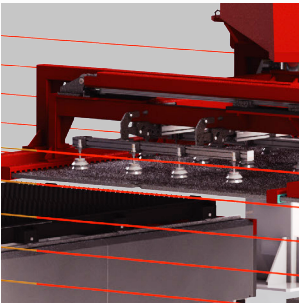
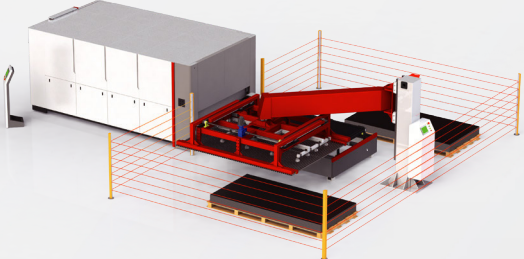
Sheet Thickness
0.5~15mm / 0.5~8mm

Maximum Load per Sheet
500KG

Total Power/Output Voltage
10KW/380V



Compact structure with small footprint



Smart HCS+HCL

series



30T-40T

MODEL & Format (L×W)

SMART HCS+HCL1530
1500 mm x 3000 mm

SMART HCS+HCL2040
2000 mm x 4000 mm

SMART HCS+HCL2060
2000 mm x 6000 mm

Sheet Thickness
0.6~15mm

Number of Layers
10

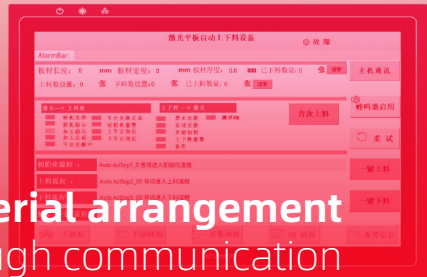
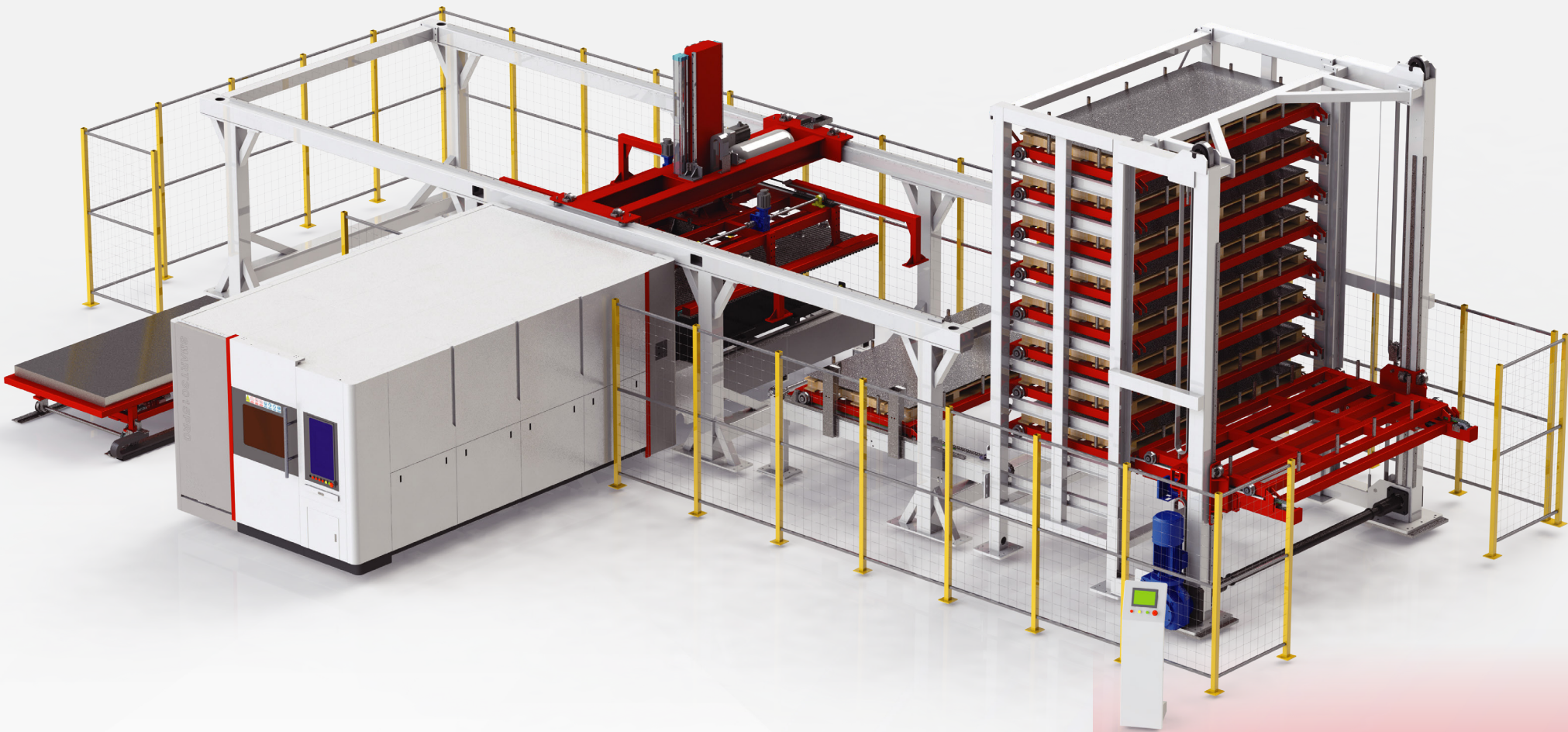
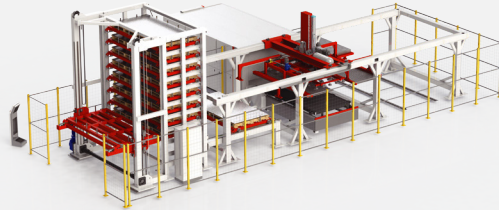
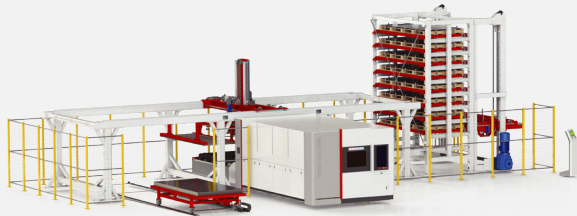
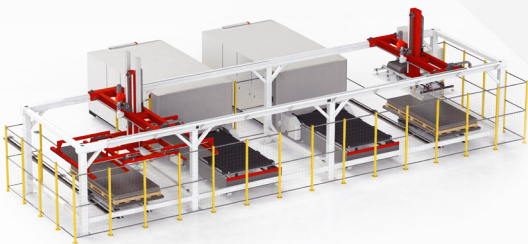
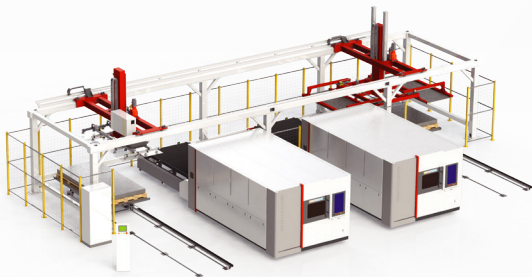
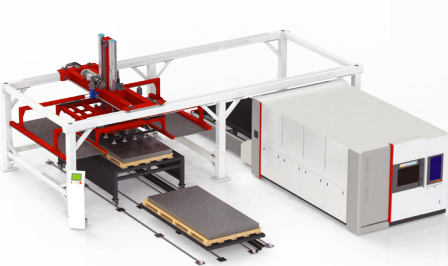
Maximum Load per Layer
3-5T

Single Layer Spacing
450mm

Total Load of the Warehouse
30T-40T

Total Power
23KW/25KW/28KW

Output Voltage
440V 60Hz



Intelligent material arrangement is achieved through communication between IO expansion modules and laser cutting systems.

Smart HCL

Deburring Machine

Smart series

MODEL

Smart Series Deburring Machine

Processing range
H: 1-50 mm; W: 800/1000/1300mm; L: no limit

Fixing method
Negative pressure or/and magnetic Adsorption (strong magnetic) system

Transfer speed
Frequency conversion 0.5-20 M/ min

Universal wheel host power
2.2*2 KW (national standard pure copper)

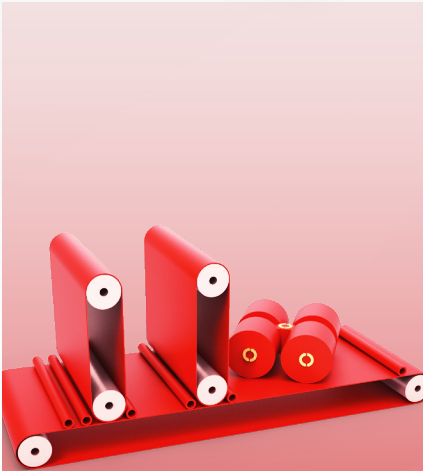
Rubber roller diameter
190mm*2

Grinding wheels
4 Sets

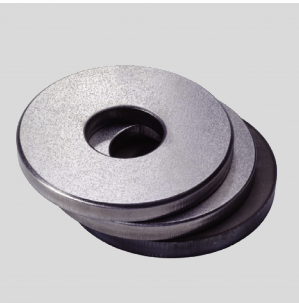
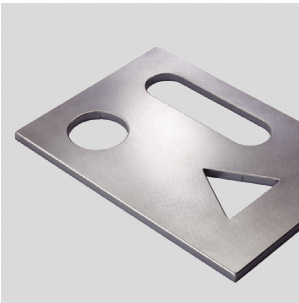
Negative pressure adsorption
15kw 2900rpm

Lifting stroke
80mm

Control System
Delta PLC



Multiple sets of grinding wheels to rotate, to revolve and alternate



Smart MRW

series

MODEL

SMART -MRW6

Wingspan
2010mm

Repeatability Accuracy
±0.07mm

Load Capacity
12kg

Near Field of View
461x255mm@300mm

Distant Field of View
1150x660mm@800mm

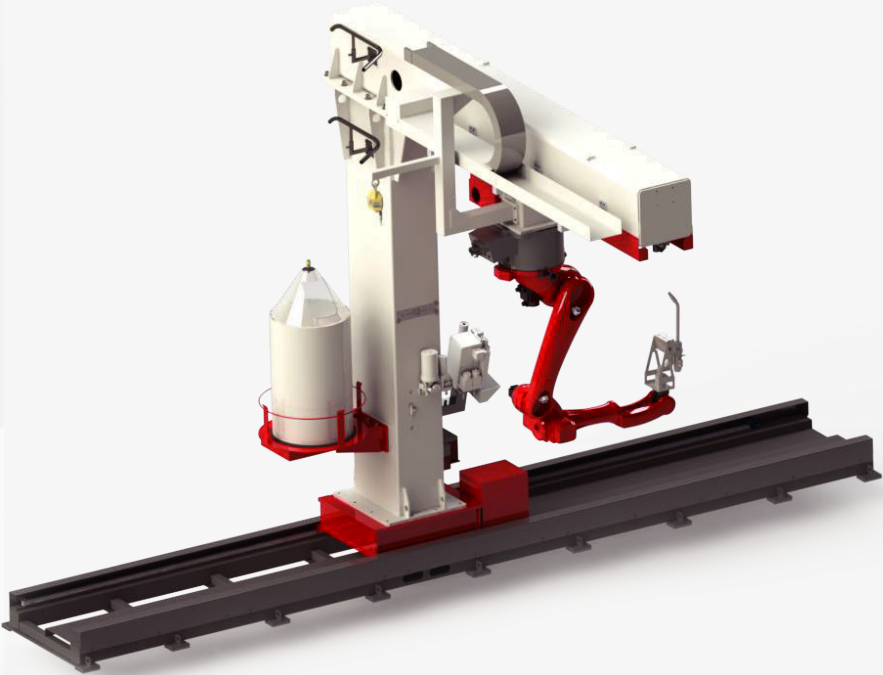
Visual Precision
≤0.5mm

Power Supply
3x380V±10%/50Hz

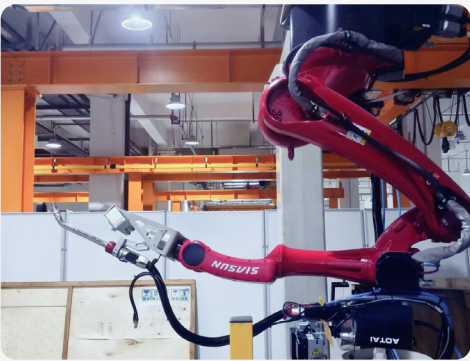
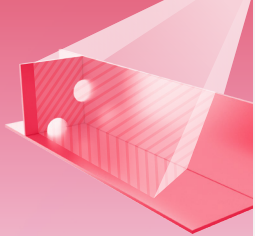
Axis
7/8/9 -Axis

Power Consumption
37kw

Land Area
(4m+Track length)
x(3+Rail Spacing)x3.5m



Automatically identify weld seams and achieve "one click welding"



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