Laser is our future.

CHMER
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CHMER

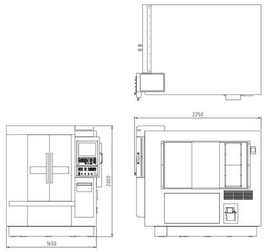
High Precision Linear Drive
Laser Cutting Machine

PL Series

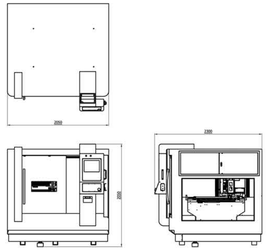
http://www.chmer.com/tw

Floor Layout

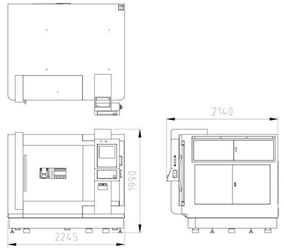
PL4848



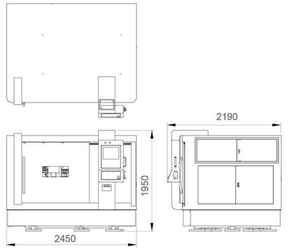
PL6060



PL6868 & PL6880 & PL8080



PL10080



※ Manufacture reserves the right to modify design, specification and machine structure for continuous research and improvement.

Standard Model

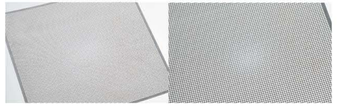
Item	Unit	PL4848	PL6060
X,Y Axis	mm	480 x 480	600 x 600
Z Axis	mm	120	120
Processing Size	mm	480 x 480	600 x 600
Max.Work Piece Weight	Kg	100	100
Net Weight	Kg	2100	2200
Max. X&Y Axis Operating Speed	m/min	15	18
Power Consumption	kVA	Max. 6	
Outsize Dimensions [WxDxH]	mm	1650x2250x2000	2050x2300x2050
Cutting Thickness	mm	0.05 – 1.0	0.05 – 1.0

Item	Unit	PL6868	PL6880	PL8080	PL10080
X,Y Axis	mm	680x680	680x800	800x800	1000x800
Z Axis	mm	120			
Processing Size	mm	680x680	680x800	800x800	1000x800
Max.Work Piece Weight	Kg	120			
Net Weight	Kg	2250	2350	2400	2500
Max. X&Y Axis Operating Speed	m/min	20	20	25	30
Power Consumption	kVA	Max. 8		Max. 24	
Outsize Dimensions [WxDxH]	mm	2245 x 2150 x 1990	2245 x 2150 x 1990	2245 x 2150 x 1990	2450 x 2190 x 1950
Cutting Thickness	mm	0.05 – 2.0			

Note: Cutting thickness differs from various laser source.

LC Series

FEATURE

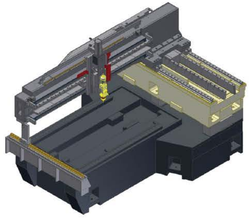


Specially Designed For High Reflective Material And Complicate Machining

This machine is designed especially for high reflective and sensitive material. When encountering sharp and narrow angle, shorter pulse time and frequency parameter according to high peak value can be chosen to make nice surface and smaller heat-affected area.

High Effective Linear Motor Drive

Equipped with patented in-house linear motor featuring with high responsive, zero vibration, zero backlash, long life, zero maintenance to provide excellent working accuracy.



Special Machine Structure

Design of gravity-drive and auxiliary FEA finite element analysis improves overhanging rail deflection problem and increases machine rigidity tremendously. Laser cutting head moving at high speed along workpiece axis provides high cutting efficiency.

German PRECITEC Cutting Head-MiniCutter

High responsive control system and adjustable focal length ensures stability of complicate shape workpiece during cutting. Light structure design enables severe bending workpiece cutting resulting in optimum work art. Quick-release protective lens are easy for changing and wiping.

German PRECITEC Cutting Head-FineCutter

Real time monitor for cutting process through coaxial version. Equipped with adjustable lighting device in eyesight area. Maximum cutting power at 500W. Suitable for UKP laser. High quality optics components allows workpiece gap at minimum of 10μm width.

Patented Air Filter

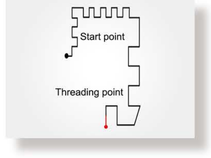
Patented ionogen dust collector with HEAP filter effectively filtrates all kinds of suspending smoke and gas to keep work area air at highest quality.

German IPG Optical Fiber Laser Source

IPG is the largest laser source provider on current market. Advantages of IPG optical fiber laser source are speedy raising/lowering power and working under continuous and high peak power pulse. Different from traditional laser, shaping pulse cutting reduces slag and heat affected zone (HAZ) at maximum.

Remote Control & Internet of Machine System (Optional)

Brand new “remote control & internet of machine system” brings you the experience of high technology to control machine with mobile device at hand without standing in front of machines all the time.
Innovative smart functions builds complete mobile management environment for you to step in smart machine new era.



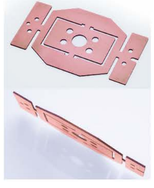
Break Point Return

Restart of work at break point restores working status immediately avoids time wasting.

Initiative Parameter Setting Display

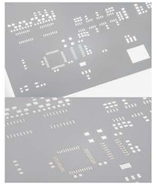
999 working parameters for different materials and thicknesses choices. All you need to do is to select suitable parameters, satisfactory working quality is within reach.

Samples&Application



◆ Cooling Fin
Material : Copper
Thinckness : 0.8 mm
Processing Time : 3min20s

◆ Iron Flip Chip
Material : Silicon Steel
Thinckness : 0.5 mm
Processing Time : 1min45s



◆ PCB
Material : Silicon Steel
Thinckness : 0.2 mm
Processing Time : 22min43s