



MAPE

LASER

STENCIL

CUTTING

MACHINE

LC-6060

LaserCut-6060 is a full-scale production machine dedicated to cutting stainless steel stencils for the SMT-industry.

What makes the LC6060 so special?

Finer cutting features:

Our new laser- and focusing system means cutting with spot-sizes in the 10uM-range. *The result is smaller and finer cutting-features, comparable to cardio-vascular stent fabrication.*

Hi-Definition, secure Paste Release:

Our industry-leading optical system ensures a *completely consistent and precise taper angle of aperture holes, which has dramatic effect on paste-release consistency and overall stencil quality.*

Automatic Thickness Compensation:

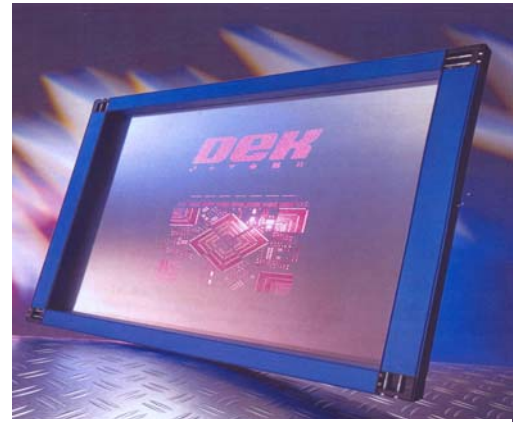
There is no need for manually adjusting micrometer screws or otherwise compensate the machine for various material thicknesses. *Material thickness is automatically compensated by our ATC system. This eliminates costly operator errors.*

Maintenance free:

Mape LaserCut-6060 is equipped with a new type of *maintenance-free solid state laser with +20.000 hours operational life.*

Versatile and convenient operation:

The LaserCut-6060 has fully CNC-controlled optical Z-axis, that includes a high precision taper-angle adjustment.



DEK-frame..

Cutting edge Profit Optimization:

Reasonable cost, high productivity and simple operation backed by an excellent after sales world-wide service gives you the cutting edge in the ever increasing competition.

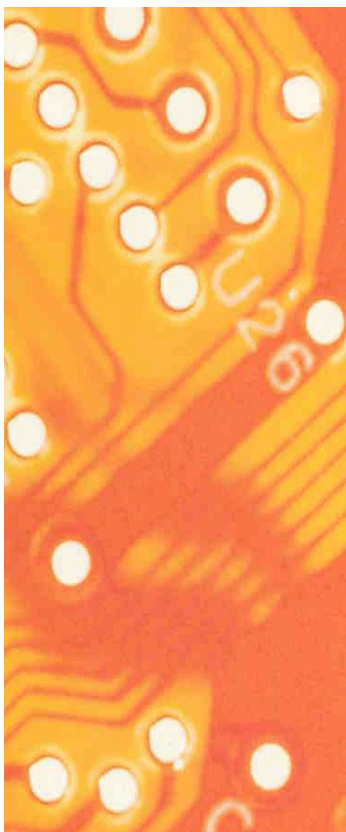
Our designs are based on more than 30 years experience in precision manufacturing of CNC drilling machines.

LaserCut-6060 is made of precision lapped black granite that provides excellent stability and mechanical rigidity.

The CNC is based on the new CNC8200 high performance axis control system with continuous Heidenhain linear feedback.

Streamlined data conversion:

Mape "GerberGrab" Front End CAM system includes sophisticated CAD/CAM software for easy job translation.



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LaserCut-6060 specifications

MACHINE:

Worktable size: 1400x800mm.
Working area net.: 600x600mm.
Max. Work height: 40mm.
X-travel: 605mm
Y-travel: 605mm
Z-travel: 50mm
Cutting speed: Up to 5 meters per minute.
Workpiece height: 40mm max (allowing fixtures).
Axis speed: Up to 24M/min.
Acceleration: Up to 2M/s/s.
Deceleration: Up to 3M/s/s.
Cut pattern accuracy: <10uM+/-.
Position accuracy: <5uM+/-.
Repeatability: <2uM +/-.

CONTROL SYSTEM:

Sieb & Meyer CNC 82XX (Mape version).
Heidenhain continous Linear Encoding system.
Memory capacity: Virtually unlimited.
Data Entry: Via RS232, CD, LAN etc.
Data formats CAD: S+M, Gerber 274X.
Extraction system: CNC-contrlloed.
Shipping weight: Approx. 3.000 kgs.
Machine size: 150W x 190D x 160H cm.
Services required: 3x400V, 50-60Hz, 16Amps.
Process gas: Application specific (Air, Nitrogen, Oxygen).

TOOLING SYSTEM:

Mape Pneumatical clamping system.
Optional: DEK 23"x23" Frame.
Note: "DEK" is a reg. Trademark of DEK Corp.
Other application specific frames and systems available (DEK, Alpha or others on request)

OPTIONS:

Extended working area on request.
Special fixtures on request.
Special application Lasers (wavelengths) on request.

CCD Video programming system:

Optional on-board CCD video programming system for patter recognition.

Extraction unit: 1.2kW, dual chamber system.

Front end system:

Mape GerberGrab.

Optional: Application-specific versions to accept customer data-formats.

Mape LaserCut is supplied ready for production.
Services required: Tri-phase mains, compressed air or other process gas and a suitable vacuum extraction unit.

The LaserCut-6060 is guaranteed by Mape's one-year warranty covering both parts and labour, and we provide guaranteed service within 24 hours.

Mape machines are manufactured in Denmark/EU.

Note: Specifications are subject to change without notice.

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