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HSC MILLING AND ENGRAVING SYSTEM

ECO *express*



KUHLMANN

MACHINE POWERED BY

LANG

ECO express

The ECOexpress is a HSC milling and engraving system in compact design, equipped with LNC express control and software from LANG.

High precision and durability are guarantees for professional use. Due to the large working range, engravings and the finest milling and drilling work on punches, embossing tools, electrodes and front panels can be produced quickly and economically.

The cast iron and welded steel construction and the cast iron worktable with T-slots provide the base for low-vibration machining. Backlash-free prestressed guides and precision ball threads in all 3 axes ensure high-quality results. Optimised chip fall and an integrated chip tray guarantee a clean and smooth working process.

The ECOexpress is equipped with the control unit LNC express from LANG. This offers a powerful extension for high-resolution 3 axis servo control. It enables a higher speed and acceleration as well as more flexibility and comfort in machine operation.

Current output software of this machine is the LDriver from LANG, with a comfortable, Windows 10 based user interface. The graphical visualization of the CAM data on the 21" touch control panel simplifies machine operation significantly, also an additional manual control unit with handwheel encoder and tip mode.

Due to its compact design, the ECOexpress passes through any door with standard dimensions and can be easily set up with a lift truck.

Technical Data:

Work surface (XxYxZ)	500 x 600 x 200 mm (19,69 x 23,62 x 7,87")
Clamping surface (XxY)	510 x 700 mm (20,08 x 27,56")
Traversing speed feed max	9 m/min
Acceleration up to	1700 mm/s ²
Resolution	< 0,1 μm
Output software	LDriver
Controller	LNC express
Tool changer	8 times
Weight of machine	1300 kg
Machine dimensions (WxDxH)	1460 x 1600 x 2000 mm (57,48 x 62,99 x 78,74")
Floor space (open doors)(WxDxH)	2300 x 2300 x 2000 mm (90,55 x 90,55 x 78,74")
Milling spindle	S1=1,5kW
	with rpm 30000 rpm
	change cone HSK E25



Options:

Oil mist device

Vacuum systems

Milling spindle packages

We offer several spindle packages in different performance classes for the most diverse machining tasks.

Measuring systems

Tool length measurement Blum Z-Nano

Status lamp

Training and service

Our extensive service ensures maximum machine availability and process reliability of your production. Besides the personal on-site service, our online and hotline support helps to keep downtimes of your machine as low as possible. In addition the LANG service range contains equipment upgrades, software updates as well as trainings to ensure an efficient and optimal handling of our milling machines.

