

Technical Data	LGX 1300-1+1	LGX 460-1-AL	LGX 550-1-AL	LGX 460-2-AL	LGX 550-2-AL
Drill area, with loading system, per spindle		X = 460 mm Y = 650 mm	X = 550 mm Y = 650 mm	X = 460 mm Y = 650 mm	X = 550 mm Y = 650 mm
Drill area, without loading system, per spindle	X = 1300 mm Y = 1100 mm	X = 500 mm Y = 650 mm	X = 600 mm Y = 650 mm	X = 500 mm Y = 650 mm	X = 600 mm Y = 650 mm
Overall table size	X = 1400 mm Y = 1200 mm	X = 600 mm Y = 725 mm	X = 1000 mm Y = 725 mm	X = 1000 mm Y = 725 mm	X = 1200 mm Y = 725 mm
Machine dimensions B = width T = depth H = height	B = 2300 mm T = 2300 mm H = 2000 mm	B = 1170 mm T = 1700 mm H = 1870 mm	B = 1360 mm T = 1700 mm H = 1870 mm	B = 1360 mm T = 1700 mm H = 1870 mm	B = 1660 mm T = 1700 mm H = 1870 mm
Weight, machine, ca.	4500 kp	2350 kp	2900 kp	3000 kp	3800 kp
Weight, loading system ca.		250 kp	300 kp	400 kp	500 kp
Floor area, including loading system	B = 3000 mm T = 3400 mm	B = 1200 mm T = 4500 mm	B = 1400 mm T = 4500 mm	B = 1700 mm T = 4500 mm	B = 1900 mm T = 4500 mm
Compressed air usage, ca.	400 l/min.	350 l/min.	350 l/min.	460 l/min.	460 l/min.
Air pressure	6 bar	6 bar	6 bar	6 bar	6 bar
Power supply	400 V / 50 / 60 Hz	400 V / 50 / 60 Hz	400 V / 50 / 60 Hz	400 V / 50 / 60 Hz	400 V / 50 / 60 Hz
Power consumption	5 kVA	4 kVA	4 kVA	5 kVA	5 kVA
Positioning accuracy	± 0,003 mm	± 0,003 mm	± 0,003 mm	± 0,003 mm	± 0,003 mm
Repeatability	± 0,002 mm	± 0,002 mm	± 0,002 mm	± 0,002 mm	± 0,002 mm
Maximum drive speed	25 m/min	25 m/min	25 m/min	25 m/min	25 m/min

Drilling spindles (Air-bearing)

Precise Typ ASC 3063 20.000 - 100.000 rpm

Precise Typ ASC 2063 20.000 - 140.000 rpm

Westwind Typ D 1331 20.000 - 125.000 rpm

Spindle coolant

Automatic Cooler unit holds the coolant temperature at 20°C ±2°C.

Air Quality

Air quality is assured by means of the freeze-dryer supplied with each machine.

Measuring System

X and Y-axes are controlled by a linear measuring system with 1 micron resolution.

Quality Standard

Geometric quality standard to DIN 8601

Drilling Accuracy Dependant upon stack height, tool diameter, Z-axis speed, ± 20 microns

Z-Axis Height 26 mm

Operating temperature for maximum accuracy: + 20°C bis ± 2°C

Operating temperature limits for functional guarantee: +17°C to + 30°C

Noise level with cover closed: 72 dBA

Guarantee: Machine – 6 months

Guarantee: CNC – 12 months

CNC Sieb & Meyer

The Sieb & Meyer CNC controller type 44.00 I as well as the machine electrics, are built-in to the granite base.

LENZ M.A.U.S. –

Multiple Autonomous Unit System
Up to 8 x LGX machines can be interlinked and controlled by the Sieb & Meyer system 56.00

LGX machines can be delivered with loading system, without loading system but pre-prepared for later addition, or entirely without loading system.

We reserve the right to alter technical specifications without notice.

LGX 1300-1+1 - The "Whole Sheet" drill and rout machine.

This machine was specially developed to handle whole laminate sheets in all common sizes in one pass.

It has a high speed, air-bearing spindle for drilling holes down to the smallest diameters.

It also has a heavy duty ballbearing spindle to rout the drilled panels out of the master sheet.

An automatic loading system is not available for this machine.

LENZ

ERNST LENZ Maschinenbau GmbH
CNC Controlled Machines
for Printed Circuits Boards

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