



DG 142 XL

Complementary machines

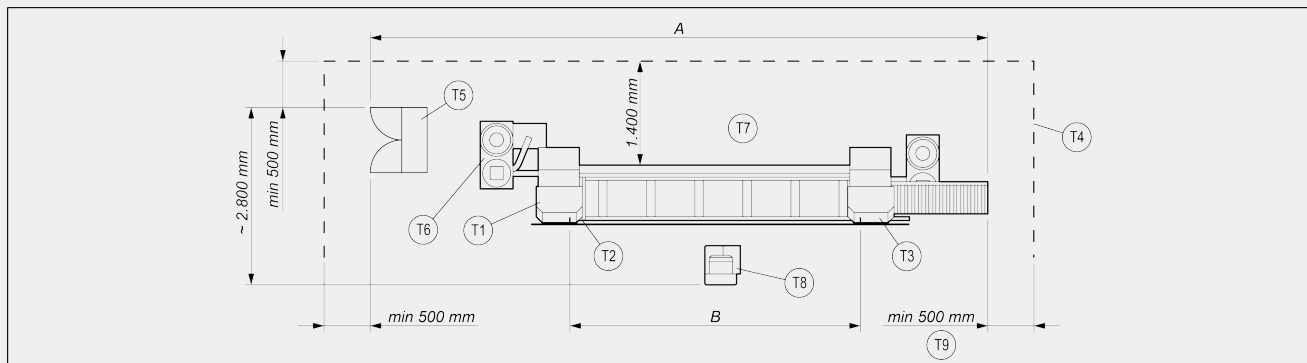


Ideal machine for high-volume series production when cutting at 90° and 45°. Equipped with 550mm blades. Manual positioning with E 190 digital display or automatic positioning with E390/E590 control units. Vertical pneumatic material clamping unit. Cutting length variants: 3.000 mm; 4.500 mm; 6.000 mm; 7.500 mm; additional lengths on request. Options: manual angle adjustment for each unit, digital; additional software for E 590: optimisation program, software module for bevel cuts and oversize length cuts for E 590 and E 390 as standard; label printer for variants with E 390 and E 590; mobile workpiece support; material clamping units; transom stop and lead-cut stop; extraction system; stationary and/or travelling roller conveyor; blades; 5.5 kW motors for aluminium machining; hydro feed for aluminium machining; high performance cutting fluid for aluminium machining; pulsed coolant system for aluminium machining; cycling. Controller variants: manual cutting length adjustment with E 190 digital display; positioning control E 390; PC control E 590.



DG 142 XL / COMPLEMENTARY MACHINES

LAYOUT



	A	B
DG 142XL - 3,0 m (mm)	8.120	3.000
DG 142XL - 4,5 m (mm)	9.630	4.500
DG 142XL - 6,0 m (mm)	11.130	6.000
DG 142XL - 7,5 m (mm)	12.650	7.500

- T1 - Stationary unit
- T2 - Short dimension stop
- T3 - Moveable unit
- T4 - Wall / fence
- T5 - Connected load, refer to the electrical diagram
- T6 - Swarf extracting attachment
- T7 - Space for maintenance
- T8 - Label printer
- T9 - Safety zone

The overall dimensions may vary depending on the product configuration.

CHARACTERISTICS

Maximum cutting length, according to model (m)	3 / 4,5 / 6 / 7,5
Smallest cutting length at 90° (mm)	400
Smallest cutting length at 45° inclined (mm)	400
Smallest cutting length with short dimension stop option (mm)	400
Smallest cutting length with short dimension stop and lifting bar option at 90° or 45° inclined (mm)	455
Blade motor power (kW)	4
Blade diameter (mm)	550
Blade speed - motor 50 Hz (r.p.m.)	2.020
Blade speed - motor 60 Hz (r.p.m.)	2.450
Equipped with blades as standard 204311300	●
External-dimension cuts possible for all cutting variations (only tilting)	●
Tilting range inwards, pneumatically	90° - 45°
Intermediate angle manual with digital display and handwheel	○
Vertical clamping device per unit	1
Pneumatic locking at end position	●
Counterblocks	○
Manual profile support	●
Protective cover	●
Basement with stands	●
Air consumption (6 bar) each cut (l)	40
Swarf exhauster	○
Roller conveyor	○

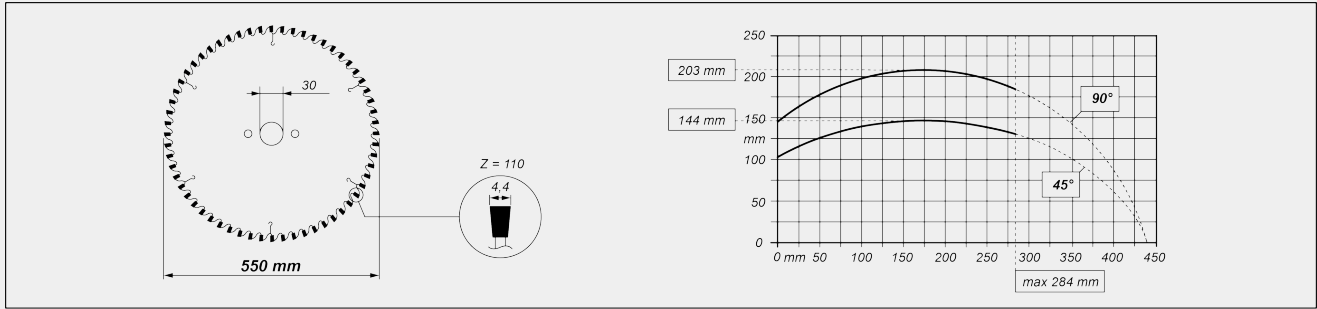
AXIS CHARACTERISTICS MACHINE

Command and control unit	E190	E390	E590
Number axes	-	1	1
Robust, low-wear direct drive of the mobile cutting unit	-	●	●
Cutting length adjustment by means of handwheel	●	-	-

- included
- not available



CUTTING DIAGRAM



Pneumatic clamping device horizontal travel

40 mm

80 mm

140 mm

Clamping range

From 62 mm to 284 mm

From 0 mm to 245 mm

From 0 mm to 195 mm

COMMAND FEATURES E190

Cutting length display	E111
Actual value storage of the display in case of mains disconnection	●

COMMAND FEATURES E390

5,7" touchscreen display	●
Machine configurations with one axes	●
USB port	1
Importable data formats	DGX
Software package for off-cuts and cutiing oversize	●

COMMAND FEATURES E590

12" touchscreen display	●
USB port	1
Network port RJ45 (10/100 Mbit)	1
Windows operating system	●
Software package for off-cuts and cutiing oversize	●
Importable data formats	DGX

Included ● Available ○

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