



DG 142 XL

Complementary machines

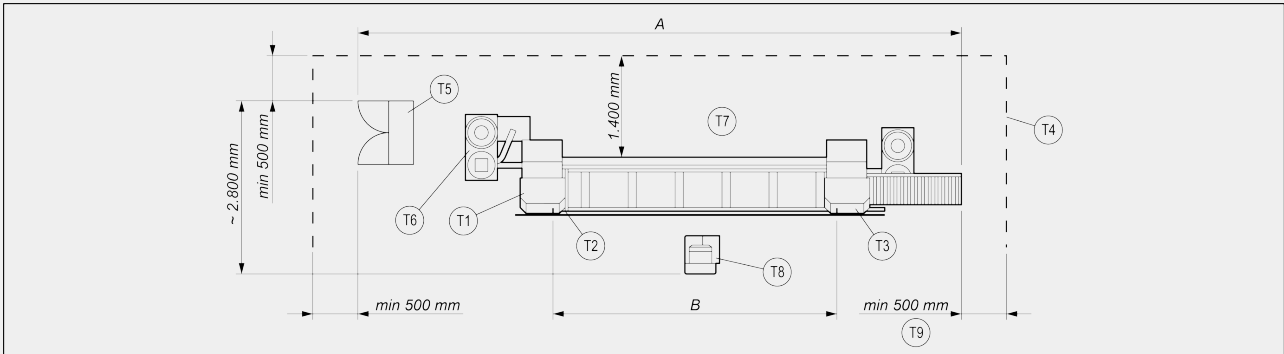


Ideal machine for high-volume series production when cutting at 90° and 45°. Equipped with 550mm blades. Manual positioning with E 190 digital display or automatic positioning with E390/E590 control units. Vertical pneumatic material clamping unit. Cutting length variants: 3.000 mm; 4.500 mm; 6.000 mm; 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	8.120 mm	3.000 mm
DG 142XL - 4,5 m	9.630 mm	4.500 mm
DG 142XL - 6,0 m	11.130 mm	6.000 mm
DG 142XL - 7,5 m	12.650 mm	7.500 mm

- 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)	410
Smallest cutting length at 45° inclined (mm)	410
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	○

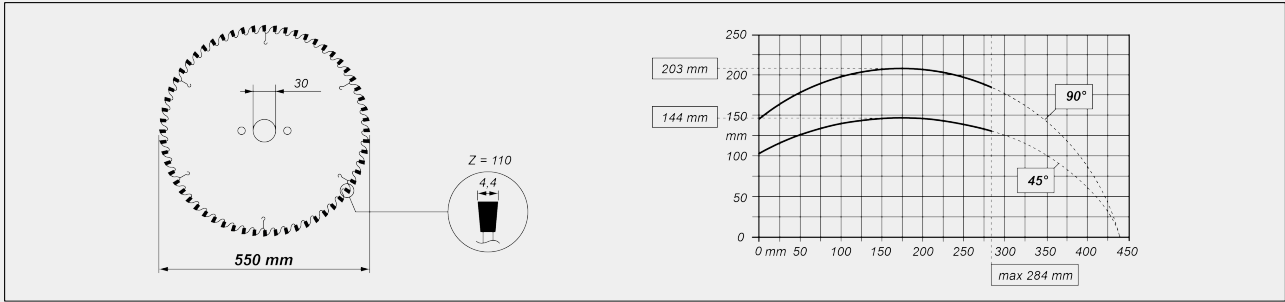
AXIS CHARACTERISTICS MACHINE

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



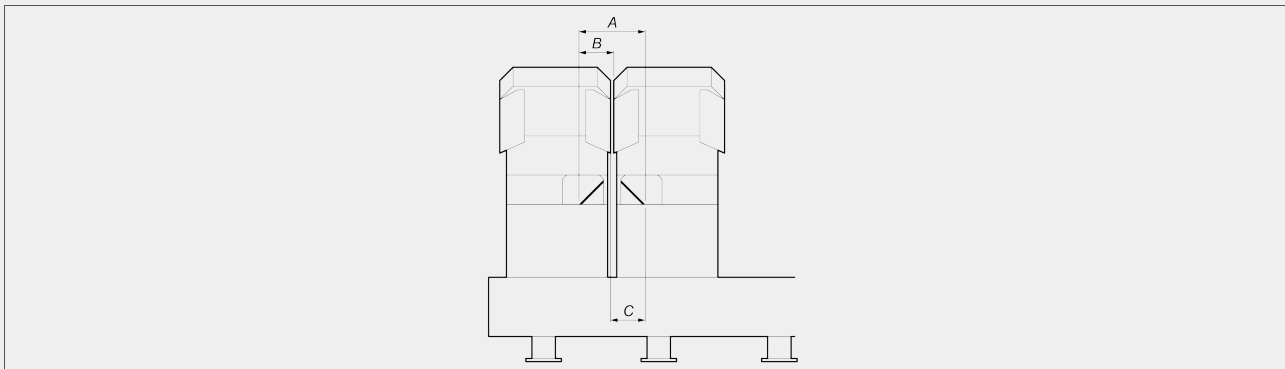
Pneumatic clamping device horizontal travel

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
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CUT



	45°	90°
A) Minimum dimension without short dimension stop (mm)	400	400
A) Minimum dimension with short dimension stop (mm)	400	400
A) Minimum dimension with short dimension stop and lifting bars (mm)	455	455
B) Minimum dimension with short dimension stop on the mobile unit (mm)	195	195
B) Minimum dimension with short dimension stop on the mobile unit and lifting bar (mm)	213	213
C) Minimum dimension with short dimension stop on the stationary unit (mm)	195	195
C) Minimum dimension with short dimension stop on the stationary unit and lifting bar (mm)	213	213



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		●
USB port	1	
Importable data formats	DGX	
Machine configurations with one axes		●
Software package for off-cuts and cutting oversize		●

COMMAND FEATURES E590

5,7" touchscreen display		●
USB port	1	
Network port RJ45 (10/100 Mbit)	1	
Windows 10 operating system		●
Importable data formats	DGX	
Software package for off-cuts and cutting oversize		●

Included ● Available ○