

# Presetter Specifications Comparison Chart

	<b>E236+</b>	<b>E346+</b>	<b>E346V+</b>	<b>E356+</b>	<b>E356V+</b>	<b>E356A</b>	<b>E46B</b>	<b>E46BA</b>	<b>E46BP</b>	<b>E46C</b>	<b>E46CA</b>	<b>E46CX</b>	<b>E46CT</b>	<b>E46CTA</b>	<b>E46CTX</b>	<b>E68B</b>	<b>E68BA</b>	<b>E68BP</b>	<b>E68L</b>	<b>E68LA</b>	<b>E68LX</b>
<i>Measuring range (Diameter and Height)</i>	260 mm (D) 360 mm (H)	360 mm (D) 460 mm (H)	360 mm (D) 460 mm (H)	360 mm (D) 560 mm (H)	360 mm (D) 560 mm (H)	360 mm (D) 560 mm (H)	400 mm (D) 600 mm (H)	400 mm (D) 600 mm (H)	400 mm (D) 600 mm (H)	600 mm (D) 800 mm (H)	600 mm (D) 800 mm (H)	600 mm (D) 800 mm (H)	600 mm (D) 800 mm (H)	600 mm (D) 800 mm (H)	600 mm (D) 800 mm (H)						
<b>Natural granite</b> base and column	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
<i>Presetter type (TT table top or SA stand alone)</i>	TT	TT	TT	TT	TT	TT	SA	SA	SA	SA	SA	SA	SA	SA	SA						
<b>Interchangeable spindle</b> (ISO, HSK, VDI, etc.)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
<i>C Axis display spindle body and spindle holder</i>	-	-	-	-	-	●	○	●	●	○	●	●	○	●	●	-	●	●	○	●	●
<b>Automatic rotation</b> of the spindle	-	-	-	-	-	●	-	●	●	-	●	●	-	●	●	-	●	●	-	●	●
<i>Manual spindle rotation brake</i>	●	●	●	●	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Pneumatic acting radial spindle rotation brake</i>	-	-	-	-	-	●	●	●	●	●	●	●	●	●	●	-	-	-	-	-	-
<i>Pneumatic spindle rotation brake with 3 pistons at 120°</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	●	●	●	●	●
<i>Tool holder gravity clamping</i>	●	●	-	●	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>VACUUM</b> clamping system	-	-	●	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Motorized mechanical tool holder clamping</i>	-	-	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
<i>Tool inspection function</i>	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
<b>Camera system measuring range (ECN)</b>	5 x 5 mm	6,4 x 6,4 mm	6,4 x 6,4 mm	6,4 x 6,4 mm	6,4 x 6,4 mm	6,4 x 6,4 mm	6,4 x 6,4 mm	6,4 x 6,4 mm	6,4 x 6,4 mm	10 x 10 mm	10 x 10 mm	10 x 10 mm	1st 10x10mm 2nd 4 x 4 mm 3rd 4 x 4 mm	1st 10x10mm 2nd 4 x 4 mm 3rd 4 x 4 mm	1st 10x10mm 2nd 4 x 4 mm 3rd 4 x 4 mm	5 x 5 mm	5 x 5 mm	5 x 5 mm	8 x 8 mm	8 x 8 mm	8 x 8 mm
<b>Camera system resolution (ECN)</b>	1 μm	1 μm	1 μm	1 μm	1 μm	1 μm	1 μm	1 μm	1 μm												
<b>Camera system magnification (ECN)</b>	20 X	25 X	30 X	30 X	30 X	25 X	25 X	25 X	1st Cam 25X 2nd Cam 63X 3rd Cam 63X	1st Cam 25X 2nd Cam 63X 3rd Cam 63X	1st Cam 25X 2nd Cam 63X 3rd Cam 63X	38 X	38 X	38 X	30 X	30 X	30 X				
<b>Triple camera system (ECN)</b>	-	-	-	-	-	-	-	-	-	-	-	-	●	●	-	-	-	-	-	-	-
<b>AS371 optical scale (axes resolution = 1 μm) (ECN)</b>	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	-	-	-
<b>GS371 certified natural granite optical scale (axes resolution = 1 μm) (ECN)</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	●	●	●	●	●
<b>Vertical touch-screen monitor (ECN)</b>	TFT 7"	TFT 16"	TFT 22"	TFT 22"	TFT 22"	TFT 22"	TFT 22"	TFT 22"	TFT 16"	TFT 16"	TFT 16"	TFT 22"	TFT 22"	TFT 22"							
<i>Label printer</i>	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
<i>Axes fine adjustment</i>	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
<b>ECN firmware</b>	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>ECN software on Linux platform</b>	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
<i>Number of machines origins / Number of tool sets</i>	9 / 9	∞ / ∞	∞ / ∞	∞ / ∞	∞ / ∞	∞ / ∞	∞ / ∞	∞ / ∞	∞ / ∞	∞ / ∞	∞ / ∞	∞ / ∞	∞ / ∞	∞ / ∞	∞ / ∞	∞ / ∞	∞ / ∞	∞ / ∞	∞ / ∞	∞ / ∞	∞ / ∞
<i>Tool profile max rotation/high spot indicators X / Z</i>	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
<i>On-screen manual measure function with fixed cross-hair</i>	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
<i>On-screen automatic measure function with floating cross-hair &amp; profile intersection indicators</i>	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
<i>On-screen manual adjustable cross-hair angle for tool angle 'shadow graph' function</i>	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
<i>On-screen adjustable circular indicator for tool radius 'shadow graph' function</i>	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
<i>On-screen automatic measure of tool corner radius and theoretical centre point</i>	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
<i>On-screen automatic measure of tool corner angle and theoretical intersection</i>	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
<i>On-screen manual measure with axes for radius and angle using user selected points</i>	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	-	-	-	●	●	●
<i>On-screen manual measure with mouse for radius and angle using user selected points</i>	-	-	-	-	-	-	-	-	-	●	●	●	●	●	●	-	-	-	●	●	●
<i>On-screen profile memory function with automatic geometry capture</i>	-	-	-	-	-	-	-	-	-	●	●	●	●	●	●	-	-	-	●	●	●
<i>On-screen locking/setting of X or Z axis to allow measurement of theoretical points</i>	-	-	-	-	-	-	-	-	-	●	●	●	●	●	●	-	-	-	●	●	●
<i>DXF input, capture and creation function for on-screen display and comparison of tool drawing</i>	-	-	-	-	-	-	-	-	-	●	●	●	●	●	●	-	-	-	●	●	●
<i>Fully automatic spindle rotation and measurement of tool edges</i>	-	-	-	-	-	-	-	-	-	-	●	●	-	●	●	-	-	-	-	●	●
<i>Automatic DXF capture &amp; creation function using auto spindle rotation</i>	-	-	-	-	-	-	-	-	-	-	●	●	-	●	●	-	-	-	-	●	●
<i>Floating cross-hair function - using mouse to capture/measure on-screen geometry</i>	-	-	-	-	-	-	-	-	-	●	●	●	●	●	●	-	-	-	●	●	●
<b>ECN tool manager software</b>	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
<i>ECN tool manager software - three tool table types (simplified, normal &amp; extended)</i>	-	-	-	-	-	-	-	-	-	●	●	●	●	●	●	-	-	-	●	●	●
<b>TID ready</b>	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
<b>M.U.S.T. ready</b>	-	-	-	-	-	-	-	-	-	-	-	●	-	-	●	-	-	-	-	-	●
<b>TP32 software ready (dual monitor and dedicated pc)</b>	-	-	-	-	-	-	-	-	-	○	○	○	○	○	○	-	-	-	○	○	○