

Characteristics of the final screw-driver

Customer needs for screwdriver

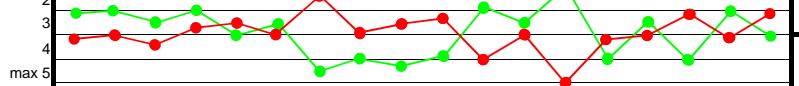
	Weight	height workspace inside standing	swath of space inside standing	depth workspace inside standing	length X axis servo system	length Y axis servo system	length Z-axis servo system	speed of movement of screwdriver	load servo system	speed of screwdriver	Torque moment of screwdriver	tolerance desired torque	tolerance position servo system to the point of use	axis angle of screw driver to the axis of product	height screwdriver to the product	Manpower	number of security features	length of the laser protection barrier	noise of screw device
speed of screwdriver	6			9	9	9	9	3				1				1			
location to place the screwdriver for screwing	10					9	1	1				9	9	1					
ergonomic position	7	3	1	9											1	9		1	
tool safety	7	1	1	3	1	1	1	9	1						3	1	9	9	
Easy and quick screwdriver adjustment	6				1	1	1	3	1	9			1						
higher speed	9									9	9	9						1	
precise tightening torque	9									9	9	9		1					
screwdriver axis coincides with the axis hole Product	9				1	1	1	1	1		3	3	3	9	1				
control of the torques	10									9	9	9		3					
check the number of screws driven into the product	10									3	9	9							
undamaged product	10							1	9	9	9	9	3	9	9	1	9		
Tighten the terminal screws to the product	10								1	9	9	9	3						

The proposed value

1500 1500 1000 700 500 600 0,5 20 300 0,7 ±0,4 ±0,2 ±5° 400 20 1 1000 <70

Parameter comparison between existing equipment and future devices

(future ● current ○)



High	9
Medium	3
Low	1

Significance

28 14 84 76 76 76 244 140 526 549 549 159 330 137 80 159 70 23

Target value

1300 1300 800 600 550 500 2 30 500 1,2 ±0,1 ±0,1 0° 500 10 3 800 <80

