



Edge finders optical



www.ymttooling.co.uk
01935 428375 opt 3
tooling@ymt ltd.co.uk



YMT Technologies Ltd
Tuscan House, George Smith Way
Lufton Trading Estate, Yeovil, Somerset BA22 8QR



Edge finder 3D: developed by us -
- produced only by us.



Function:

If a conductive workpiece and the probing ball touch (within the axis X, Y and Z), the electrical circuit gets closed and a LED signal appears.

When the LED signal appears, the workpiece's edge is reached with a distance of 5 mm (= radius of probing ball Ø10).

In Z axis, the reference length has to be measured and taken into account respectively.

Probing X/Y axis

Probing X/Y axis

Pass over

Probing Z axis



Probing accuracy ≤ 0.010 mm

3D version:
Probing in X, Y and Z

Application:

For accurate zero point determination and bore centers to the spindle with an accuracy of probing smaller than 0.010 mm.

Please note:

Protection against humidity is essential for the edge finder due to the built-in electrical components.

Delivery includes:

Edge finder with serial number and test certificate in a plastic case.

Article-No.	Description	Shank	Length	Ball	Battery
001031200	Edge finder 3D	Ø12	approx. 111 mm	Ø10	12V-Type 27A
001031600	Edge finder 3D	Ø16	approx. 111 mm	Ø10	12V-Type 23A
001032000	Edge finder 3D	Ø20	approx. 106 mm	Ø10	12V-Type 23A
001032500	Edge finder 3D	Ø25	approx. 116 mm	Ø10	12V-Type 23A
00103M200	Edge finder 3D	MK2	approx. 146 mm	Ø10	12V-Type 27A



Edge finder optical 3D in wooden case

Article-No.	Description	Shank	Length	Ball	Battery
001031299	Edge finder 3D	Ø12	approx. 111 mm	Ø10	12V-Type 27A
001031699	Edge finder 3D	Ø16	approx. 111 mm	Ø10	12V-Type 23A
001032099	Edge finder 3D	Ø20	approx. 106 mm	Ø10	12V-Type 23A
001032599	Edge finder 3D	Ø25	approx. 116 mm	Ø10	12V-Type 23A



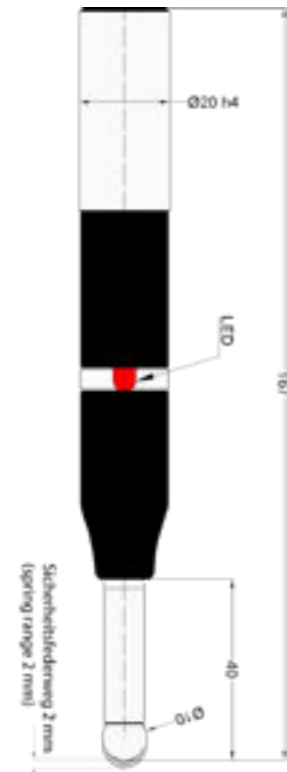
Quality
with certificate

Probing accuracy ≤ 0.005 mm !

3D version:
Probing in X, Y and Z !



Scan me
Product video



Application:

Our 3D precision probe is a highly precise measuring device which gives out highly precise three dimensional probing results on metal-cutting machines.

Accuracy:

Within all three axis, the accuracy of probing is smaller than 0.005 μ m.

Please note:

Protection against humidity is essential for the edge finder due to the built-in electronic components.

Delivery includes:

3D precision probe with serial number and test certificate in a plastic case (for clean storage).

Article-No.	Description	Shank	Length	Ball	Battery
001532000	3D precision probe	$\varnothing 20$	approx. 167 mm	$\varnothing 10$	12V-Type 23A

Quality
with certificate

Probing accuracy ≤ 0.010 mm !

3D version:
Probing in X, Y and Z !

2D version:
Probing in X and Y !



Application:

For accurate zero point determination and bore centers to the spindle with an accuracy of probing smaller than 0.010 mm. When you reach the position, you hear an additional acoustic signal.

Please note:

Protection against humidity is essential for the edge finder due to the built-in electronic components.

Delivery includes:

Edge finder with serial number and test certificate in a plastic case.

Article-No.	Description	Shank	Length	Ball	Battery
001122000	Edge finder 2D	$\varnothing 20$	approx. 119 mm	$\varnothing 10$	12V-Type 23A
001132000	Edge finder 3D	$\varnothing 20$	approx. 131 mm	$\varnothing 10$	12V-Type 23A



Quality
with certificate

Probing accuracy ≤ 0.010 mm !

2D version:
Probing in X and Y !

Application:

For accurate zero point determination and bore centers to the spindle with an accuracy of probing smaller than 0.010 mm.

Please note:

Protection against humidity is essential for the edge finder due to the built-in electronic components.

Delivery includes:

Edge finder with serial number and test certificate in a plastic case.



Article-No.	Description	Shank	Length	Ball	Battery
001021200	Edge finder 2D	Ø12	approx. 99 mm	Ø10	12V-Type 27A
001021600	Edge finder 2D	Ø16	approx. 99 mm	Ø10	12V-Type 23A
001022000	Edge finder 2D	Ø20	approx. 94 mm	Ø10	12V-Type 23A
001022500	Edge finder 2D	Ø25	approx. 104 mm	Ø10	12V-Type 23A
00102M200	Edge finder 2D	MK2	approx. 133 mm	Ø10	12V-Type 27A

Edge finder optical 2D in wooden case

Article-No.	Description	Shank	Length	Ball	Battery
001021299	Edge finder 2D	Ø12	approx. 99 mm	Ø10	12V-Type 27A
001021699	Edge finder 2D	Ø16	approx. 99 mm	Ø10	12V-Type 23A
001022099	Edge finder 2D	Ø20	approx. 94 mm	Ø10	12V-Type 23A
001022599	Edge finder 2D	Ø25	approx. 104 mm	Ø10	12V-Type 23A



Version ECO

- low-cost
- Made in Germany
- no serial number
- no test certificate

Article-No.	Description	Shank	Length	Ball	Battery
0010216EP	Edge finder 2D	Ø16	approx. 99 mm	Ø10	12V-Type 23A
0010220EP	Edge finder 2D	Ø20	approx. 94 mm	Ø10	12V-Type 23A



Spare parts

Article-No.	Description	Volt
0011Z6000	Spare battery 23A	12V
0012Z6000	Spare battery 27A	12V

