



# TR100

## Tool Reader for 2D codes on tool shanks

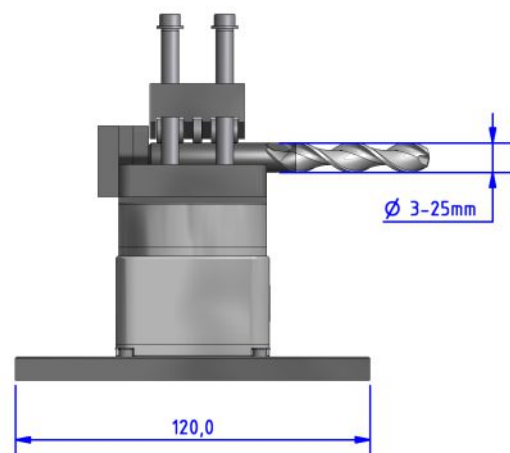
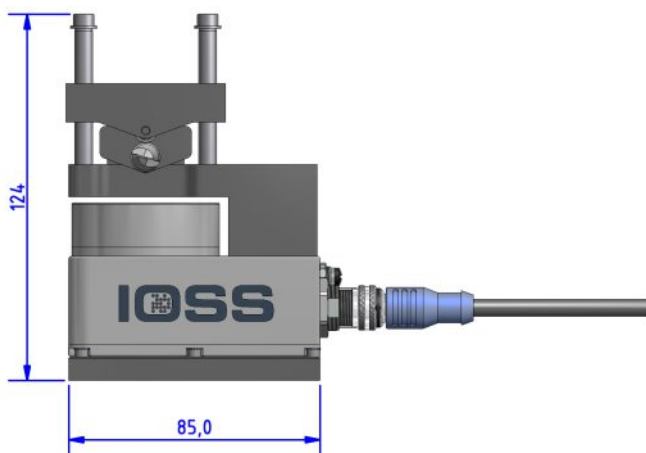
### The specialist for identifying your round tools!

The new and innovative TR100 Tool Reader quickly and reliably records your laser-marked codes on shank tools, starting with a diameter of just 3 millimetres. On carbide or HSS, on highly reflective, coated or matte surfaces, thanks to the unique decoding technology, permanently applied DataMatrix codes can be read in just seconds.

The 8 x 32 ECC200 Data Matrix code makes it possible to mark tools with about  $10^{19}$  different numbers. Each individual tool is recorded without error and is uniquely assigned. Your round tools are seamlessly traceable thanks to intelligent identification and reading technology.

Why not benefit from transparency in your processes - in order processing and stock picking - as a manufacturer, in reconditioning or coating operations or in a tool grinding shop?

Numerous connection options are available with USB, RS232 and Ethernet. That makes it fast and easy to integrate the TR100 Tool Reader into your tool administration system. And with a protection class of IP67, the table system is also well equipped for harsh industrial environments.



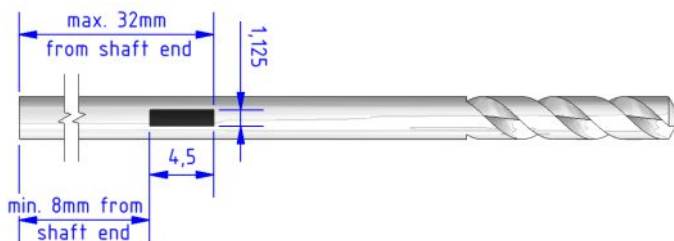
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## Technical Data



<b>Application area</b>	Reading 2D Codes on tool shanks Data Matrix (ECC200)
<b>Sensor technology</b>	CMOS Sensor 1200 x 1024 pixels, global shutter
<b>Reading</b>	In rotation during rotary movement
<b>Diameter range</b>	Shank diameter 3 -25 mm
<b>Field of view</b>	15 mm, can be moved with stop; see marking area
<b>Code grid size</b>	Data Matrix (ECC 200), 8 x 32 modules Geometric code size 1.125 x 4.5 mm (other types and sizes on demand)
<b>Data capacity</b>	Up to 20 numerical characters, Up to 13 ASCII characters (larger capacity on demand)
<b>Interfaces</b>	<ul style="list-style-type: none"> <li>• Ethernet</li> <li>• RS23</li> <li>• PLC lines for good/bad and busy signals</li> <li>• optional: USB, via USB HID adapter ( USB keyboard)</li> </ul>
<b>Teach In</b>	Simple configuration via graphical user interface
<b>Dimensions</b>	About 120 x 102 x 124 mm (with base plate)
<b>Weight</b>	Approx. 1750 g (without cable)
<b>Power supply</b>	24 V DC
<b>Temperature range</b>	0 – 40° C
<b>Protection rating</b>	IP67, when used with protective lens tube and suitable cables
<b>Housing</b>	Aluminium, anodized Device for tool positioning: steel, hardened and burnished

Subject to change without prior notice. If you require additional information, please contact us.



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