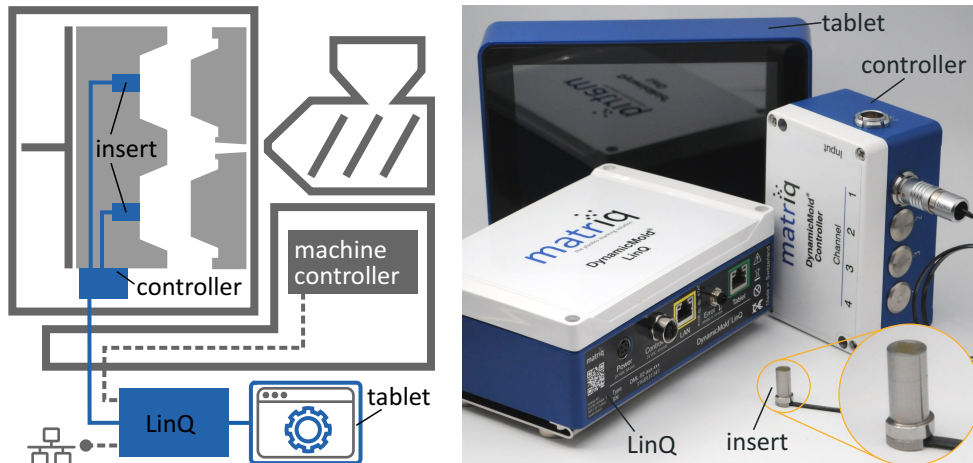


technical data DM-qode

code type	Data Matrix (ISO)
logical code size	12x12 (results in 10 digits)
process	injection molding, blow molding
plastic types	PP, PS, PC, ABS, PBT, PMMA, ... *
machine types	machine-independend
mold temperature	up to 100°C (212 °F)
internal mold pressure	up to 2000 bar (29'000 psi)
smalles cycle time	3 s
DynamicMold® insert	Ø 8 mm x 20 mm (Ø 0.315" x 0.787")
digital integration	OPC UA

version 09/2025

*material tests on request



matriq
Lerchenfeldstr. 3
9014 St. Gallen
Switzerland




<https://matriq.ch>
contact@matriq.ch

matriq
the plastics marking solution

DM-qode

Imprinted Identity for Every Plastic Part

Traceability
Quality & Trust



every single part linked to ist data

Imagine a solution that doesn't slow down your production, requires no additional machines, and also conserves resources. With DM-qcode, each of your plastic parts is automatically and effortlessly provided with a unique code. Marking can be that simple.



fast

marking in real-time - without slowing down the cycle time

autonomous

the technology operates independently and adapts to your process

integrated

marking and production in one step - no detours, no complications

economical

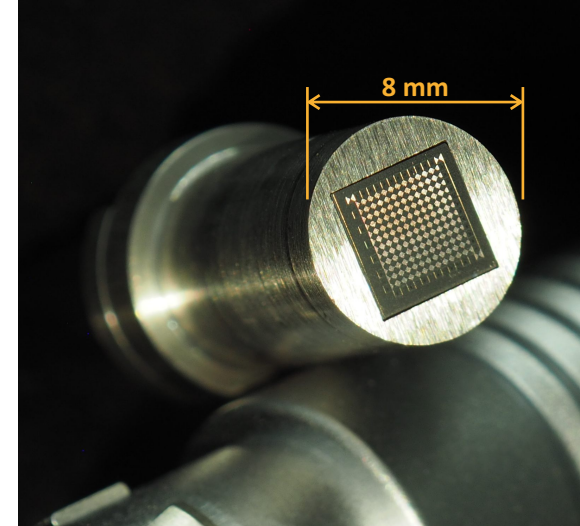
no expensive additional equipment - you use what you already have

forward-looking

a sustainable solution that does not require any additional materials

minimalist insert, maximum impact

The 144 micro-heaters on the insert emboss a different Data Matrix code onto every part. This takes place during the manufacturing process. The integrated sensor handles the timing.



easy to install, easy to use

The mold inserts are placed into the designated openings of each cavity. The desired Data Matrix codes are transferred to the controller via software frontend or using OPC UA.



scan the part, retrieve the data

Our code is a permanent embossing that is applied to the surface of your component. It can be read at any time by commercially available, DPM-capable code reader cameras.

