

## Verification of Laser Code on Syringes **CodeTracker-C** by Seidenader Vision and Frewitt Printing



Frewitt Printing, the specialist of marking solutions in the Frewitt Group, and Seidenader Vision, the expert of vision systems in the Seidenader Group, are cooperating for the presentation of a unique laser coding and code verification system. Frewitt has developed a laser marking system using a low energy laser to engrave a DataMatrix code directly on the glass syringe barrel. Seidenader Vision provide the high speed vision system and illumination technique to verify this type of code reliably. With the combined machine building experience as well as control systems and data management solutions of the Seidenader Group and Frewitt Group a robust inspection machine is generated, suitable for the stringent requirement of pharmaceutical production environment.

### Area of Application:

- inspection of syringes in order to verify the invisible laser code and to match it with the label to be applied
- conformity control of the code and thus product match prior to labelling

### Operation:

- the syringes are fed onto the CodeTracker-C in hanging position
- no rotation of the syringe is required
- a reject mechanism eliminates products with false codes
- good syringes are transferred to next process step either inline or manually

### Benefits:

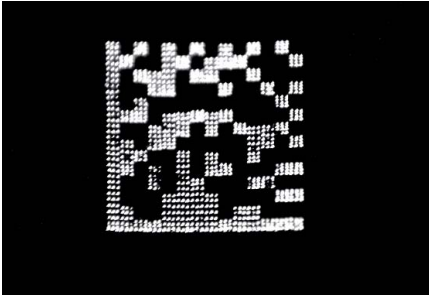
- the code is read with eight cameras at the same time
- smooth handling of the product since the syringes don't need to be rotated

### Optional:

For syringes with clipped flanges a cost effective alternative is available, which includes an orientation wheel and two cameras instead of eight.

reading Data Matrix code  
on glass syringe barrel





Laser printed DataMatrix code on glass surface read by Seidenader Vision camera



**Product : 123ABC**  
**Lot # : 678457**  
**S/N : 2579634**

Laser printed DataMatrix code on glass syringe barrel



**Technical Data CodeTracker-C:**

- Application: glass syringes
- Range of size: 0.5 ml – 10 ml
- Throughput rate: depending on syringe size, up to 300 syringes/min
- Voltage/frequency: 400 V, 3 Ph+ N+ PE, 50 Hz, ca. 4 kW standard, all other voltages possible through transformer
- Compressed air: Pressure 6 bar, connection 1/2"
- Design: Complies with current GMP recommendations, OSHA regulations, 21 CFR part 11, CE requirements and EN 60204-1



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