

## DYLYN®/DLC for plastic injection

### ■ Medical / Pharmaceutical

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#### Cores for one way syringes

**Before: Hard chrome plating**

- Build-up of residues on the parking lip of the core caused scratches inside the syringes during the release
- Need to remove residues every 3–4 hours
- Residues removed by abrasives:
  - Excessive wear on parking lip
  - Running parameters had to be adjusted due to change in surface texture

**Now: DLC/DYLYN® 180**

- No build-up of residues for several months
- 100 % corrosion protection and excellent scratch resistance
- Stable process parameters



#### Pilot pins, leader pins & ejector bushings for one way syringes

**Before: Uncoated pilot pins**

- Wear and galling in pin calibration area & bushing
- Replacement of pins after 1 month
- Calibration bushings replaced after 5-6 months

**Before: Uncoated leader pins**

- Lubricants needed, but still did a poor job protecting sliding areas against wear & galling
- Upon mould opening, syringes drop on lubricated columns and are contaminated

**Now: DYLYN®/DLC**

- Lifetime and reliability of pins better than 8 months
- After 18 months: No need to replace bushings
- Dry running with no signs of wear or galling

