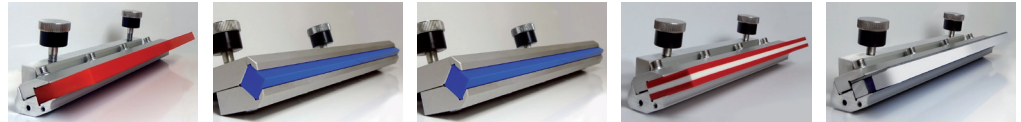


# KOENEN Squeegee Technology Overview



Product characteristics	Squeegee	Diamond squeegee	HQ Diamond squeegee	Triflex HQ	Carbon S HQ
Homogenous material structure	✓	✓✓	✓✓✓	✓✓✓	✓✓✓
Material strenght	✓	✓	✓✓	✓✓✓	✓✓✓
Abrasion resistance	✓	✓	✓✓	✓✓✓	✓✓✓
Chemichal resistance	✓	✓	✓✓✓	✓✓✓	✓✓✓
Load cycling reliability	✓			✓✓	✓✓✓
Squeegee edge stability	✓	✓	✓✓	✓✓	✓✓✓
Increases fill-level				✓	✓✓
Rapid cleaning	✓	✓	✓	✓	✓✓
Fast tool changeover	✓✓	✓	✓	✓✓	✓✓✓
Paste reduction			✓	✓	✓✓
Homogenous printing results			✓	✓✓	✓✓
Process stable printing results			✓	✓✓✓	✓✓✓
Increased life time	✓	✓	✓✓	✓✓✓	✓✓✓

## Useable with the following commercially available printers

Asys	✓	✓	✓	✓	✓
Baccini	✓	✓	✓	✓	✓
Manz					✓
JRT	✓			✓	✓

## The KOENEN Competence Team recommends for applications in the:

### Solar industry

- back side print: diamond squeegee
- front side print:
  - $\geq 70 \mu\text{m}$  HQ diamond squeegee
  - $< 70 \mu\text{m}$  Triflex HQ
  - $\leq 50 \mu\text{m}$  Carbon HQ

### High Tech industry

- structures  $> 100\text{-}500 \mu\text{m}$  HQ diamond squeegee
- structures  $< 100 \mu\text{m}$  Triflex HQ
- printing of areas: Triflex HQ
- printing of cavities: KOENEN MQ