Pickit

Typical Applications. Use Pickit with confidence

Automation possibilities are endless with Pickit. But let us show you the “sweet spots”

- Proven track record with use cases
- Fast set up
- No or min support afterwards
- Works out-of-the-box

Typical parts and picking layout

- Simple 3D shapes in a random picking application
- All kind of shapes in a layered semi-structured picking application
- “Good” 3D shapes in a random picking application

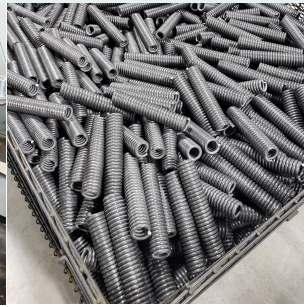
Pick layout: **random**
Shapes: **simple 3D – cylinders / boxes**

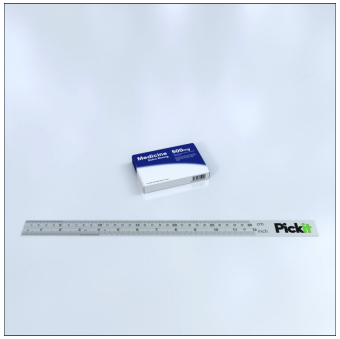
→ Axisymmetric

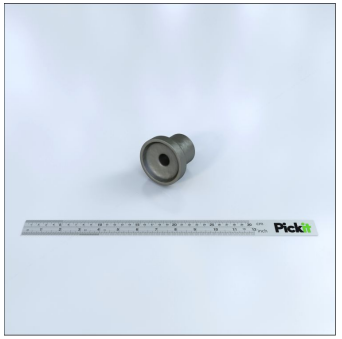
→ Asymmetric with a pronounced difference (≥20% with respect to the whole surface)

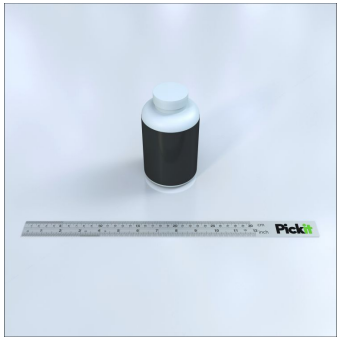
→ Not too small (>20 mm)

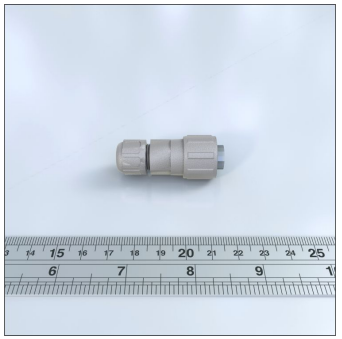
→ Not mirror-shiny or transparent











In production reference

→ Company: **KYB Americas Corporation**, USA

→ Tier 1 supplier to Japanese **automotive** plants

→ Pickit is running **1,5 years** in production

→ Watch the Video

→ Company: **Vanamatic**, USA

→ Global supplier of **precision machined components** to the aerospace, automotive.

→ Pickit is running **>1 year** in production

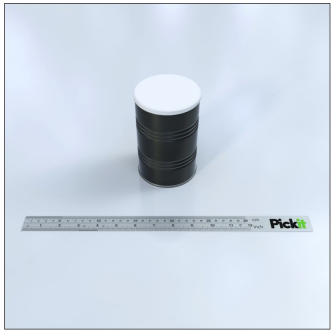
→ Watch the Video

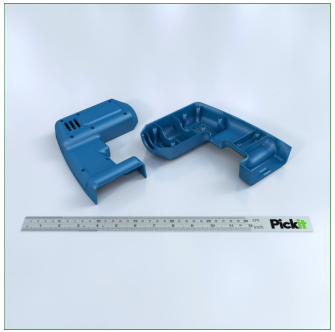
Pick layout: semi-structured **in layers**
Shapes: **all shapes**

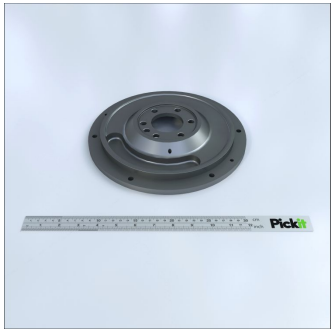
→ Only 1 type of the part per layer

→ Thick enough (>5mm)

→ Within camera FOV

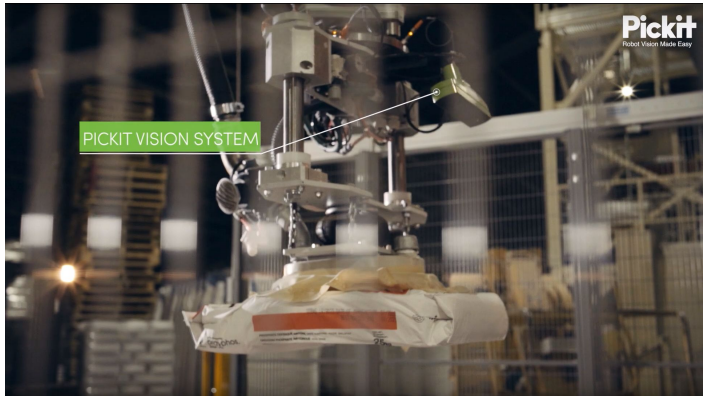






Ruler length: 30 cm / 12 inch

In production reference



→ Company: **Van Tuijl**, Netherlands

→ **Food industry**: animal feed production

→ Pickit is running **2 years** in production

→ Watch the Video

→ Company: **21st Century Plastics**, USA

→ Custom **thermoplastics** injection molding company

→ Pickit is running **1 year** in production

→ Watch the Video

Pick layout: **random**
Shapes: **'good' 3D shapes**

→ Positioned in a flat manner to the camera: parts tilted ≤45°

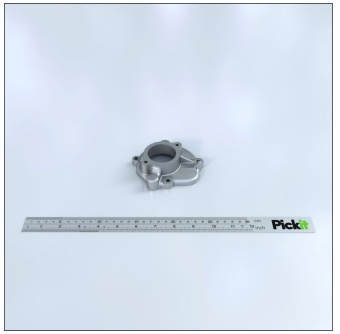
→ Surface is quite big with respect to the thickness: easy to grasp

→ No tangling

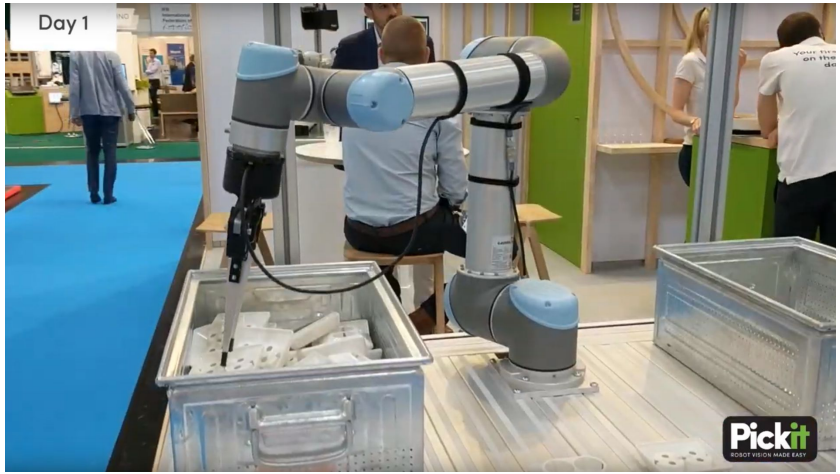
→ Asymmetrical with a pronounced difference (≥20% with respect to the whole surface)

→ Surface > 25 cm²

→ Or 100% Symmetrical (including small holes)



Video reference

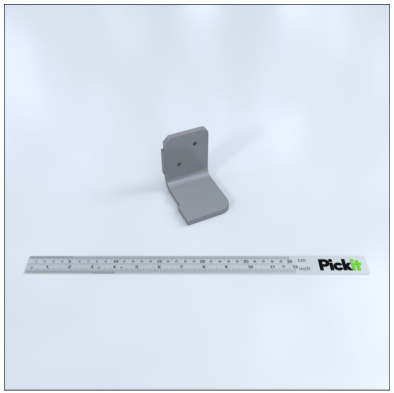


→ Picking power sockets from a bin

→ Watch the Video

Watch Out (always request extra testing at Pickit)

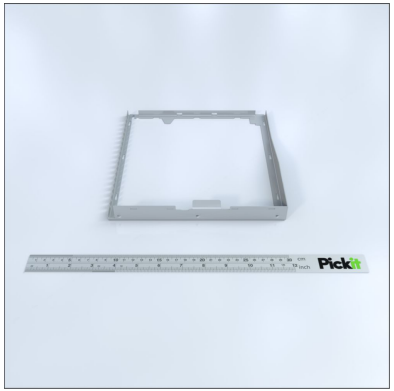
Part orientation via tiny details/holes



Mixed pallets/bins

Entangled

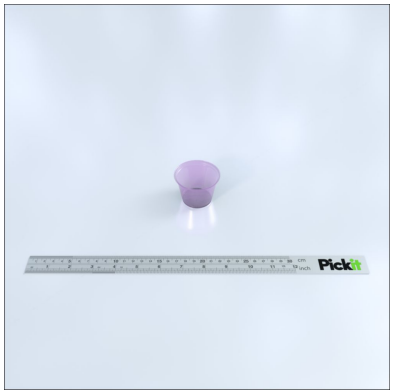
Thin edges



Ruler length: 30 cm / 12 inch

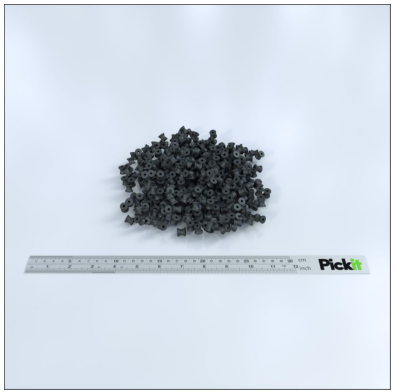
Watch Out (always request extra testing at Pickit)

Transparent



Mirror-shiny

Not thick/big enough



Deformable

Ruler length: 30 cm / 12 inch

	Pick layout	Min object size	Max object size	Accuracy	Objects	Surface limitations
Pickit M-HD 	Random picking Depalletizing	10 x 10 mm ⊖ 5 mm	500 x 500 mm	1 - 5 mm	Simple 3D shapes Complex 3D shapes	Transparent Mirror shiny
Pickit M 	Random picking Depalletizing	50 x 50 mm ⊖ 10 mm	500 x 500 mm	5 - 10 mm	Simple 3D shapes Complex 3D shapes	Transparent Shiny
Pickit L 	Depalletizing	150 x 150 mm ⊖ 50 mm	1000 x 1000 mm	10 - 15 mm	Simple 3D shapes	Transparent Shiny