

tesa® 6042 ProSeal



Product Information

Cartridge based applicator for fully automated hole covering

Product Description

tesa® 6042 ProSeal is an automation solution for automotive Hole Covering applications.

The end effector is equipped with cartridges carrying different tesa® sealing patches. These cartridges rotate in a circular process between the customer and at a local tesa facility, taking care about the refill of the cartridge. High application speed can be achieved, as this product carries up to 4.000 die-cuts and needs no material refill in between and the application of different diameters with the 2-stamp design as well as the automatic cartridge change.

Product Features

- Full Automation - fully automated material supply
- Cost reduction - lower invest, more flexibility
- Waste reduction - Circular process of cartridge supply
- Tool Weight: 36 kg
- Tool Size: 913,72x400x280,39 mm
- Die Cuts Per cartridge: 1,500 - 4,000
- Max. Hole Diameter: 50mm
- Process Time Per Hole: 2 sec
- Cartridge Change Time: 5-10 sec
- Patch Application Pressure: 5 N/cm²
- 20-30 patches applied within a regular cycle time

Application Fields

- Underbody covering of holes that withstand extreme weather conditions
- Interior hole covering with special requirements for acoustic
- Battery Application to close holes of Cells, Moduls or Packs
- Abrasion protection of screwed or welded spots on battery packs

The end effector can be equipped with different tesa Hole Covering patches, e.g.:

- tesa® 54335 PunctureGuard for demanding exterior applications
- tesa® 54332 FireGuard to resist fire in case of a thermal run away
- tesa® 54338 thin patch for less demanding interior applications e.g. pillars
- tesa® 54349 tough covering patch for less demanding exterior or interior applications, e.g. rocker panel

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Product Information

Technical Information (average values)

The values in this section should be considered representative or typical only and should not be used for specification purposes.

Product Construction

- Color colourless

Properties/Performance Values

- | | | | |
|----------------------|-------|------------------|--------|
| • Material | Metal | • Roll width max | 440 mm |
| • Max roll length | 250 m | • Serrated blade | no |
| • Max. core diameter | 6 | | |

Additional Information

- tesa® 6042 ProSeal can be combined with all common robot models able to carry the weight and more.
- To implement the tool into the manufacturing line the customer provides an integrator.

Disclaimer

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