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: approx 50 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, e.g. underbody
- tesa® 54332 FireGuard to resist against fire in case of a thermal run away of a BEV, e.g. underbody
- tesa® 54336 flexible black sealing patch for demanding interior applications e.g. passenger compartment floor
- tesa® 54338 thin conformable 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

For latest information on this product please visit http://l.tesa.com/?ip=06042

tesa® 6042 ProSeal

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

tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All information and recommendations are provided to the best of our knowledge on the basis of our practical experience. Nevertheless tesa SE can make no warranties, express or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. Therefore, the user is responsible for determining whether the tesa® product is fit for a particular purpose and suitable for the user's method of application. If you are in any doubt, our technical support staff will be glad to support you.

For latest information on this product please visit http://l.tesa.com/?ip=06042