

# Flat Follower Plate

System upgrades for increased efficiency and sustainability

Atlas Copco



## Reduce material leftovers and increase efficiency

The newly developed and improved Flat Follower Plate is designed to eliminate almost completely the material waste in the barrel. Increase material efficiency and the overall system's sustainability.

### What we provide

- Immediate decrease of leftovers in the barrel
- Projection of cost savings for ROI calculation
- Subsequent function test
- Low downtime: professional exchange by our service technician in around 1 hour
- Minimize the disposal of uncured adhesive, which is considered hazardous waste

### Values

- Increased material efficiency by saving up to 70% waste per barrel
- Reduced costs for material waste, disposal, and barrel changes
- Improved ecological footprint by significantly reducing material waste and energy consumption



## The challenge

1 2 3 4

Conventional pumps often do not empty a barrel entirely, so the material left in the barrel must be disposed of in a costly manner. This leads to:

- High-weight and costly material (Thermal Interface Material)
- Increased number of barrel changes
- High efforts and material waste in the supply process

## The solution

1 2 3 4

- Immediate decrease of leftovers in the barrel
- Projection of cost savings for ROI calculation
- Subsequent function test
- Low downtime: professional exchange by our service technician in around 1 hour
- Minimize the disposal of uncured adhesive, which is considered hazardous waste

## The values

1 2 3 4

- Increased exhaustion of the barrel
- Fewer barrel changes as more material is used
- Fewer strokes to vent after barrel change, as less air is present
- Lower disposal costs for waste & less power consumption
- Improved ecological footprint

## Sustainability

1 2 3 4

The Flat Follower Plate's new design helps drastically reduce the numbers of material waste and energy consumption. What are the CO<sub>2</sub> savings?

- Assumption: From 5.5L to 1.5L material left per barrel with the Flat Follower Plate → 4L material savings
- 100ccm ~ 1kg CO<sub>2</sub>  
→ - 40kg CO<sub>2</sub> per barrel



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