

SHOTLIST OF FOOTAGE AUTOMOTIVE COMPONENTS (PLANT 1)

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| TITLE OF PRODUCTION | Automotive Components (Plant 1), Linz, Austria |
| CONTACT | mediarelations@voestalpine.com |
| DATE OF PRODUCTION | June 2016 |
| AVAILABLE FORMATS | <ul style="list-style-type: none"> » TV Europa (50i): mov, 1920x1080, Full HD » TV USA (59i): mov, 1920x1080, Full HD » Web (H.264): mp4, 1920x1080, Full HD » 4K available on request |
| KEYWORDS | <ul style="list-style-type: none"> » Inside door panel, longitudinal member, crossmember, A-pillar, B-pillar, C-pillar, side panel, structural part, panorama roof, floor panel, tailgate door, seat reinforcement, wheel arch, side member » Tailor welded blanks = TWB, laser-welded blanks with linear, semi-linear and non-linear welded seams » Stamped pressed parts » Automotive industry » Aluminum, steel » voestalpine Automotive Components Linz |

| SCENE | TIME FROM | TIME TO | CAMERA PERSPECTIVE | SCENE DESCRIPTION |
|-------|-----------|---------|--------------------|--|
| 1 | 00:00 | 00:10 | Medium Close up | Positioning of stamped shaped parts prior to laser welding. |
| 2 | 00:10 | 00:19 | Close up | Quality test of the laser-welded seam with an inspection robot |
| 3 | 00:19 | 00:25 | Extreme Close up | Quality test of the laser-welded seam with an inspection robot |

| SCENE | TIME FROM | TIME TO | CAMERA PERSPECTIVE | SCENE DESCRIPTION |
|-------|-----------|---------|--------------------|---|
| 4 | 00:25 | 00:42 | Medium Long Shot | Automatic turning procedure for true-to-side component delivery with robot stacking |
| 5 | 00:42 | 01:29 | Close up | Automatic turning procedure for true-to-side component delivery with robot stacking |
| 6 | 01:29 | 01:44 | Medium Close up | Precise stacking of laser-welded finished components by robots for further automated processing by the customer |
| 7 | 01:44 | 02:12 | Medium Long Shot | Loading of fast welding systems with gantry robots |
| 8 | 02:12 | 02:30 | Medium Close up | Loading of fast welding systems with gantry robots |
| 9 | 02:30 | 02:35 | Close up | De-stacking with magnetic fanners and gantry loader |
| 10 | 02:35 | 02:46 | High-angle Shot | De-stacking with magnetic fanners and gantry loader |
| 11 | 02:46 | 02:56 | American | Gantry robot with turning and positioning function for the loading of welding systems |
| 12 | 02:56 | 03:07 | Medium Close up | Gantry robot with turning and positioning function for the loading of welding systems |
| 13 | 03:07 | 03:16 | Medium Long Shot | Stacking of finished components with fast gantry robots |
| 14 | 03:16 | 03:25 | Medium Close up | Automatic toolings for accurate positioning when de-stacking finished components |