



Forming: Small Sheet Metal Parts



ONE-STOP-SHOP



PROCESS DESCRIPTION

NC Router Quenching Aging Fluid Cell press Hydraulic press Profile Stretch Press

PRODUCT IDENTIFICATION

Routing/drilling

Painting

Surface treatment

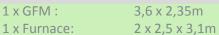
NC Hot Joggling Machine

- Ribs, Frames, Sill, Stringers with joggles, ...
- Complex parts: Winglet, Weather Seal,...

QUALIFICATIONS

- EASA Part 21
- € EASA Part 145
- **▲** EN 9100
- (ISO 14001
- NADCAP (heat treatment, NDT, surface treatment, painting)

CAPABILITIES



1 x Aging furnace: $6.7x2x2m - 50^{\circ}C$ to $250^{\circ}C$ 1 x ASEA Quintus: $2.4 \times 0.9 \times 0.25m \rightarrow 1000$ Bars

1 x LVD MZ: $L 6m \rightarrow 4000kN$ 1 x LVD PPEB: $L 3m \rightarrow 1100kN$ 1 x ACB FEV: $L 5,6m \rightarrow 200kN$

1 x Metalmatic : L 6,5m \rightarrow joggles +/- 10mm

1 x JO'MACH 131 : $2,4 \times 1,2 \times 0,9 \text{m}$ Useful bath dimensions: $6 \times 1,5 \times 2,5 \text{m}$

1 Painting/Curing Booth + 1 Conveyor/Thermoreactor

DIFFERENTIATION

- Infrastructure and 35 years experience to produce most complex parts
- High Dimensions in Hydroforming up to 2,4m and 1000Bars pressure.
- Hydroforming and stretching simulation software, springback compensation → Final shape in 1 step
- Price attractiveness thanks to state-of-the art equipment and production optimization
- Flexibility & reactivity in production (High volume, different production rates,...)
- Complete D&B Capabilities (incl. Certification)







