

SUCCEED IN TRANSFORMATION

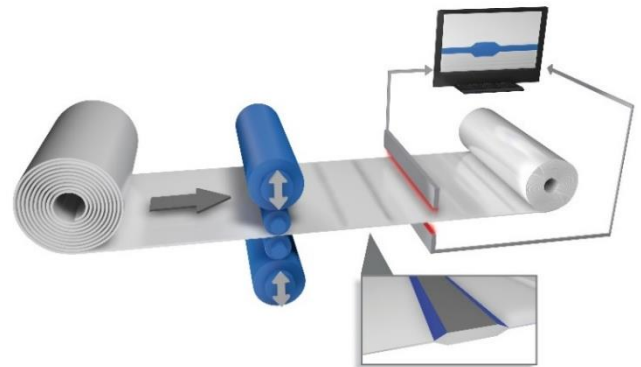
Mubea



Mubea TRB

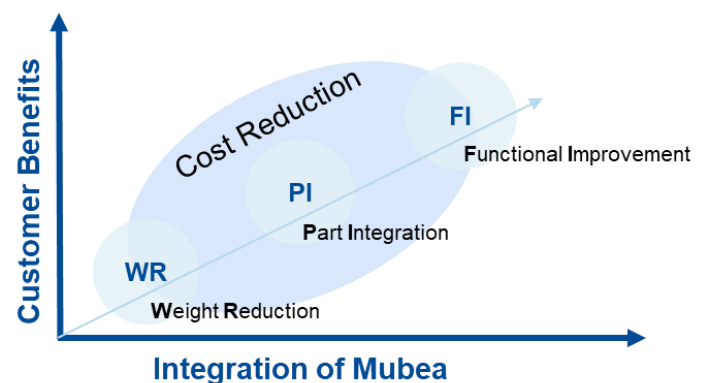
Innovation:

- › Realization of different material thicknesses with harmonious transitions within sheet metal



Customer Benefit:

- › Variable thickness sheet metal...
 - without heat affected zones
 - without notch effects
 - without stress peaks at thickness changes
- › Ability to steer product design by local thickness tuning to fulfill functional needs
- › Part integration by thickness adjustments will eliminate costs for forming & joining of reinforcements
- › TRB process flexibility enables quick functional engineering changes with reduced cost
- › Number of thickness transitions does not affect process costs
- › Up to 50% seamless thickness reduction in one part
- › ± 0.05 mm thickness tolerance in every thickness- and transition zone
- › 100% inline quality control



Status:

- › In mass production since 2004
- › 700,000mto global rolling capacity in Europe, US & China
- › Production of blanks, cold- and hot form parts, tubes, assemblies