Tailored solutions to: save weight, reduce cost, improve material utilization and consolidate parts.
Tailored Product Benefits

- General
  - Product Benefits
    - Part Reduction/Integration
    - Mass/Weight Savings
    - Improved Functionality
  - Manufacturing Benefits
    - Reduce Manufacturing Complexity
    - Improve Dimensional Control
  - Cost Benefit
    - Lower Tooling & Labor
    - Reduced Number of Operations
    - Less Material Handling & Enhanced Logistics
- Material Cost Reduction (MCR)
  - Improved Material Utilization
  - Nesting
  - Scrap Reduction
  - Optimize steel grades where needed
  - Produce oversized panels
  - Expand coil width capabilities

TWB Advantage

- Continuous feed welding machines
- Linear & non-linear capabilities
- Each weld is computer monitored and serialized
- Proprietary weld profile monitoring and Magnetic Flux Leakage detection (MFL) systems
- Statistical sampling
- Cross sectional analysis
- Visual inspection

Material Combinations Include:

- Stainless, CR, HR, DP, TRIP, CP and boron grades - coated and non-coated
- 5000 and 6000 series Aluminum

World Class Quality Levels
(External PPM 3 or less!)
TWB Specialized Services

The TWB team provides customers with advanced technological support in all aspects of the use of tailor welded products. TWB product, manufacturing and technical service engineers assist customers from product development through production implementation. TWB is well positioned to meet the requirements of the highly competitive automotive industry. TWB continues to strengthen its position as the premier supplier of tailor welded blanks and tailor welded coils.

Tailor Welded Blank Applications

Tailored products for coil fed operations such as:

- Progressive die
- Roll forming
- Coil fed transfer
- Blanking

Tailor welded products provide specific product benefits:

- Exact grade, coating and gauge of steel where it is needed
- Cost reduction with part consolidation
- Lighter weight and improved part performance
- Optimized material utilization
- Reduced manufacturing complexity and number of operations with improved dimensional control

65 kg of potential weight savings with tailored products

There are more than 50 tailor welded blank and 48 tailor welded coil potential applications in most automotive body systems today. With increasing AHSS usage and the need to lower vehicle mass, tailored products offer a cost effective approach toward meeting vehicle requirements for lower mass, lower investment and optimized cost.
TWB facilities are certified by ISO / TS 16949, ISO 14001 and Q1

TWB, formed in 1992 as a joint venture between Worthington Industries and ThyssenKrupp Steel has held an industry leading position since its creation. WISCO purchased ThyssenKrupp’s shares in 2013 replacing them as the JV partner. In addition, WISCO Tailored Blanks has 9 tailored product facilities throughout Europe and Asia that TWB has leveraged for technological and customer support. Combined, TWB and WISCO Tailored Blanks create the largest and most advanced tailor welded blank company in the world.

TWB Company invites collaboration with customers on application projects to achieve cost effective weight savings on a global scale.

TWB Company L.L.C.
1600 Nadeau Road, Monroe MI 48162
734-289-6400
sales@twbcompany.com
www.twbcompany.com