

CUT TO LENGTH



A Cut-to-Length line is a popular method of creating flat, rectangular blanks from larger metal coils. Also known as CTL or a Blanking Line, our machine will uncoil the larger material or master coil, straighten or flatten it, and then cut the metal to the required length as it moves through the line, and ultimately stack the material into a bundle.

LEVELING



Flat or even surfaces are ensured through our in-house leveling capabilities. Our skilled operators are experts at surface inspection, maintaining flatness and performing shape correction. Our inventory can be carefully checked with flatness tables, calipers and calibrated micrometers.

SLITTING



Slitting is an important process when tight tolerances need to be maintained and smaller coils are a better fit for your application. Working with a smaller coil can also mean less scrap and better economics when developing a finished part. With five slitters including 12", 18" turret, 18" light gauge, 24", and 50", our slitting operation can meet your most pressing needs. At UPM, we also offer specific edges or edge conditioning for these smaller cut coils.

EDGING



In many cases, slit metal strips of steel will require edge conditioning before moving on to the next step of the production process. The metal strips are rolled to smooth the edges and remove burs. Our in-house edging capabilities include the ability to deliver a #1 round and #5 partial or a full square skived edge. 2R and 3R groove inserts are available as well as traverse wound coils based on your customers' requests.

CUSTOM REROLLING



Our precision rerolling process produces custom engineered thin gauge stainless steel strip with extremely tight tolerance. Stainless steel repeatedly passes through our Sandzimir cold reversing mill to achieve measureable gauge reduction. The result is ultra-light, precision strip custom engineered to our customer's desired thickness as low as .0008".

SHEARING



Shearing is the process of cutting sheet metal to size out of a larger roll or flat stock. As the material moves through the shear machine, cutting blades come together in order to fracture the material into separate, smaller pieces. The process creates quality clean cuts that can be repeated quickly. Typical shear machines are categorized as 'Guillotine' or 'Swing Beam,' and basic operations methods are referred to as 'Mechanical' or 'Hydraulic'.

LASER CUTTING



Our laser cutting solutions bring your cut metal to you more efficiently than ever before. Whether you choose our fiber laser or traditional CO2 laser, UPM has a variety of laser cutting services to save you time and money. To compliment this service, we offer reverse engineering, leveling and deburring options to reduce the need for managing multiple sources for laser cut parts.

LASER GAUGE MEASUREMENT



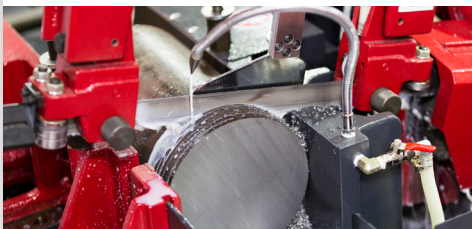
Flatness, width and thickness measurements are taken through the use of discrete laser line sensors and lateral micrometers to ensure the materials you purchase meet your exact specifications. This can be a valuable means to assess critical component measurements of processed material in order to reduce scrap and ensure the correct material gauge.

WATER JET CUTTING



Our water jet cutting capabilities allow us to cut virtually any material in a variety of thicknesses and tolerances. Best of all, our cutting processes, inspection, reverse engineering and finishing options allow us to save you time and money. Let us be your single source for material and cutting requirements.

SAWING



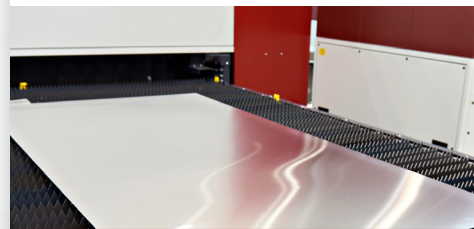
We utilize band saws, cold saws, and plate saws to provide the flexibility to tackle almost any cutting requirement, regardless of size. With 29 saws in house, we have the capacity your job requires. These precision saws produce square cuts with tight tolerance.

PRECISION COLD SAW CUTTING



Cold saw cutting virtually eliminates the heat affected zones often incurred as part of the plasma cutting process and minimizes labor time and expense. Our cutting process produces square and parallel edges at standard length and width tolerances, flattened and deburred.

NEAR NET SHAPES



United Performance Metals goes beyond standard cut-to-length and slitting by taking the cut material and creating smaller, more precise pieces that are customized for the end-user. Near net shapes can be square, round or a custom shape, and can be formed through laser, waterjet or cold saw processes, or even by more traditional steps in the leveling and cut-to-length process.

VALUE ADDED SERVICES

We can custom line mark sheets to MILS, AMS and ASTM standards. Vinyl or paper inserts are available for added protection. Finishing options are available through our Timesaver[®], which will deburr edges, resulting in high quality, finished parts. United Performance Metals employs industry leading packaging solutions to protect your order. Our crates and skids are produced from high quality Hardwood and Southern Yellow Pine. In addition to several standard size skids and crates, we are also equipped to build custom sizes to meet your specific requirements. Ocean, Air and UPS packaging is also available.