

**Fagor Arrasate**

**Your expert in Coil Processing and Slitting**

Coil processing lines typically have very long operational lives (in many cases more than 40 years) if they are used and maintained in a proper way. Nevertheless, during these last 40 years the progress of electrical and automation technology; developments that have led to better efficiencies; and more modern environmental and safety regulations have motivated many users of old machines to invest in new Coil Processing equipment or modernizing the existing one at their facilities.

In Slitting lines, Fagor Arrasate's commitment with technology has lead into a new generation of fully automated and Hands free operated lines. Prove of this are our latest ongoing projects which will help our customers to enhance their capabilities.

**Your best partner for the digital revolution**

In helping companies to take the step towards the Industrial Internet of Things, Fagor Arrasate has developed the FA Link MAP, Smart Connect and Digital Twin technologies to optimise processes, increase productivity, monitor installations and improve product quality, to the most stringent standards of data security and confidentiality.

The numerous installations throughout the world where these innovative systems are implemented and its proven expertise in digitalization make Fagor Arrasate the best partner for the Industry 4.0 revolution.



**Fagor Arrasate**

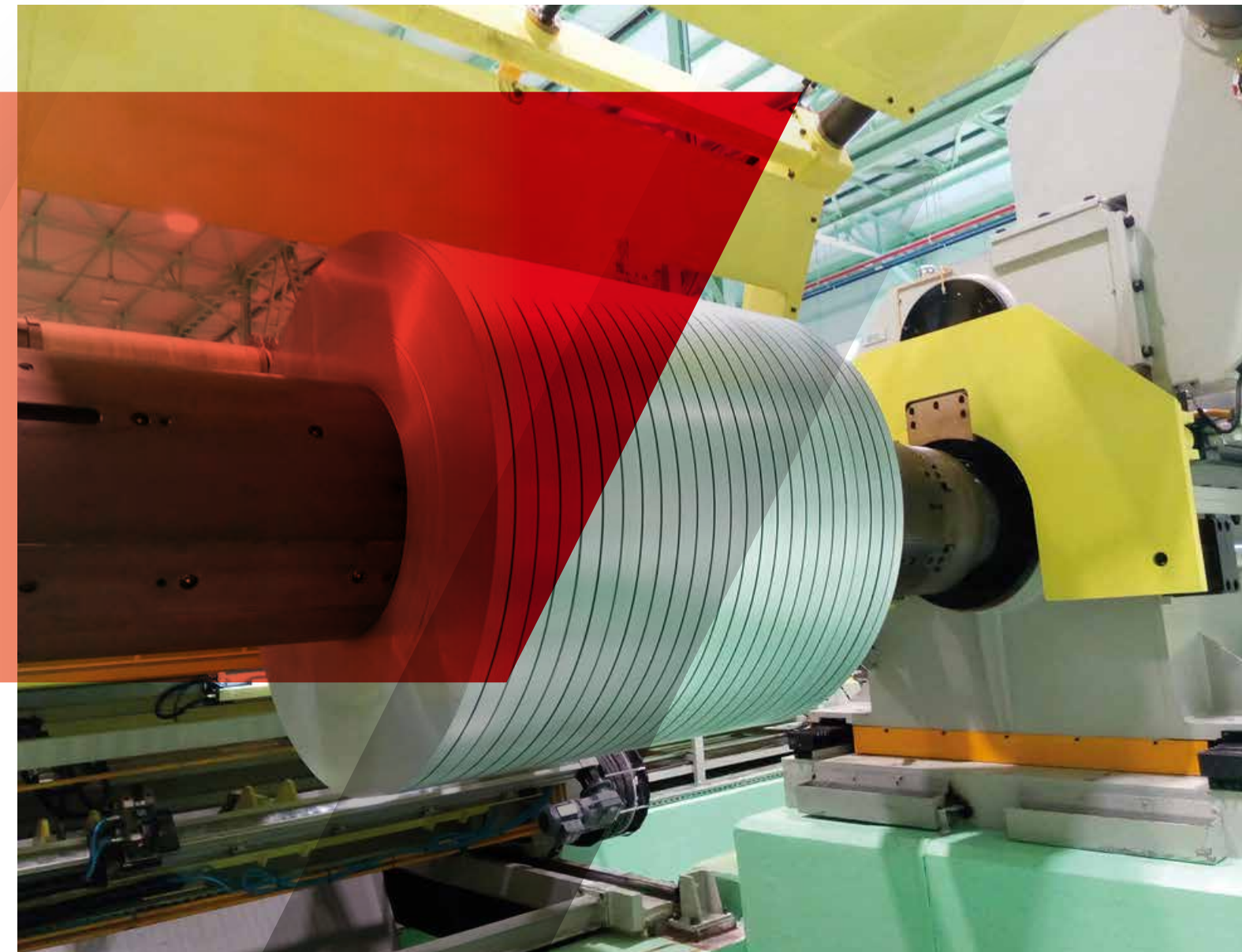
**Locations & Service – USA**



SHARINGYOUR**CHALLENGES**



**Fagor Arrasate Slitting Lines**  
Highly automated. Highly productive



**Fagor Arrasate**

**Step into the Total Dimension**

Fagor Arrasate is a world specialist in the design and manufacture of machine tools, stamping systems, processing and cutting sheet metal or special lines.

Fagor Arrasate has six plants worldwide and sells its products to seventy countries, being the industry leader in number of lines installed, prestige, quality and research.

**Fagor Arrasate is a world specialist in the following technologies:**

- Slitting lines
- Cut-to-length lines
- Blanking lines
- Multi Blanking Lines
- Inspection lines
- Coil & bundles Packaging lines

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## Highly Automated slitting lines

Worldwide specialist in the design and manufacturing of Coil Slitting Lines, Fagor Arrasate is focused in Automation, Productivity, Safety and Reliability in coil processing equipment.

Fagor manufactures coil slitting lines for widths of up to 100" and thicknesses of between .005" and .75", for steel and Aluminum. Our 61 year experience allows us processing materials like UHSS, surface critical materials and automotive aluminum.

Fagor Arrasate's slitting lines have features for improving productivity, quality and operator ergonomics and safety:



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## News

### FAGOR ARRASATE IS UPGRADING 7 CUTTING LINES DISTRIBUTED THROUGHOUT EUROPE TO CONSIDERABLY IMPROVE PRODUCTIVITY

Fagor Arrasate has made an agreement with one of the biggest steel producers in the world for the modernization and automation of 7 slitting lines (LSL) through the inclusion of automatic separator systems. These upgrades will increase line productivity and quality while decreasing the need for operators. This important customer has placed its trust in the experience of Fagor Arrasate in the retrofitting sector to modify 7 lines distributed in plants in Belgium, Germany and France. These lines were not originally manufactured by Fagor Arrasate.



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## Services

(customer service & spare parts)

### Assistance in situ

- Analysis of the operation of the lines
  - Predictive Maintenance inspections
  - Emergency or planned repairs
  - Proposals for upgrade or technological adaptation
  - Maintenance recommendations
  - Checking compliance with energy standards
  - Checking compliance with environmental standards
  - Training of human resources
  - Checking operational functions
  - Support and assistance during start-up of the lines, Risk Analysis
- "Ensuring the constant adaptation to the state of the art and a longer service file for the equipment"**

### Training and Consulting

- Training of operators and maintenance personnel
- Analysis of "best practices"
- Basic training in metal processing
- Improving the motivation of the workers
- Improving productivity by achieving a better understanding of the facilities
- Consultancy on environmental standards
- Consultancy on safety standards
- Consultancy for optimising energy efficiency

**Immediate telediagnosis wherever you are. Our service Engineers always by your side**

### Spare parts and repairs

- Supply of mechanical, electrical, hydraulic and pneumatic parts
- Short lead times
- Emergency maintenance
- Experience and Know-how to quickly solve any needs
- Telediagnosis
- Rapid response
- Local service in the US

### Modernisations and Upgrades

- Simplification of the use and maintenance of old equipment by adding new controls and HMIs
  - Improving the availability of the facilities
  - Optimization of equipment and processes
- "Fagor Arrasate spare parts are checked by our own quality resources using the latest technology"**
- Modernization of facilities to revitalise and achieve increased productivity of older machines
  - Re-engineering of existing lines to improve their throughput

### BEFORE RETROFITTING



### AFTER RETROFITTING



### Hands free mandrel to mandrel threading

Automatic Threading Cycles allow operators to thread the strip in a quick and easy way with a series of automatic cycles.

Various parts in the line are adapted to improve the typical threading operations usually done manually in other slitting lines.



### Automatic Slitter Head Change

Our slitter head with automatic tooling change capstan allows a tooling changeover time of less than 5 minutes.

Robotic set-up of the slitter head tooling and separators free up operators to perform other tasks. The robot also reduces fatigue and potential for injury and increases accuracy & repeatability of the set-up.

### Slitter Head Technology

High precision slitter heads. Auto-adjust knife clearance and full automatic knives locking system.

Burr less cuts and minimum deflection of the cutting shaft due to our optimized design.



### Scrap Choppers and Scrap Ballers

The best solution for scrap handling is one that is safe and easy. Automatic scrap ballers allow operators to thread scrap into the baller without manual intervention.

Automatic scrap choppers and conveyor systems allow for easy threading and scrap collection.

### Adapted strip tensioning systems for different material demands

Various grades of Carbon Steel, Aluminum, Stainless Steel, Ultra High Tensile Strength Materials require altered design of the tension unit. Our tension unit can be adapted to the needs of each customer depending thickness and surface requirements. We provide drag board, tension rolls, combination drag/tension rolls, or belt bridle tensioning.

### Automatic robotic separator shaft set-up

With our superior separator shafts the separator setting of the slitter is set automatically in seconds!

### High productivity lines

Processing speeds up to 1200FPM. Automatic set-ups from coil to coil with our recipe system.

### Fully automated packaging lines

From simple applications of banding the slits on the exit turnstile to more automated solutions, Fagor offers a range of packaging solutions for slit coil to be strapped, wrapped and packed on pallets eye-to-the-sky depending on customer needs.