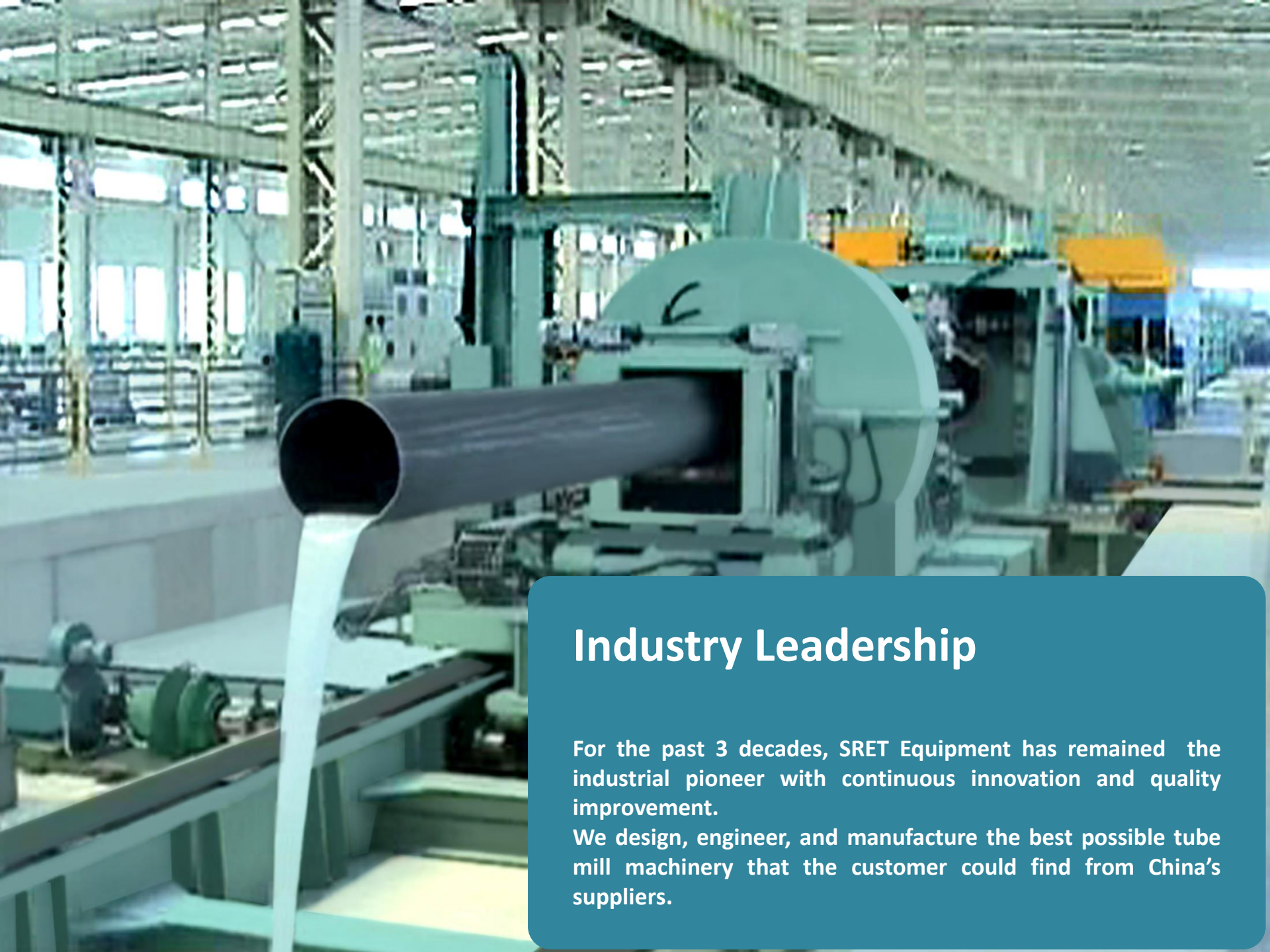


Success Stories





Industry Leadership

For the past 3 decades, SRET Equipment has remained the industrial pioneer with continuous innovation and quality improvement.

We design, engineer, and manufacture the best possible tube mill machinery that the customer could find from China's suppliers.

Full Range of Capabilities

Our wide product portfolio drive a sustainable advantage for your operation

Entry Section

- Uncoiler
- Flattener / Leveler
- Shear & End Welder
- Horizontal Spiral Accumulator

Mill Section

- Forming & Sizing
- HF Welding

Cutoff Section

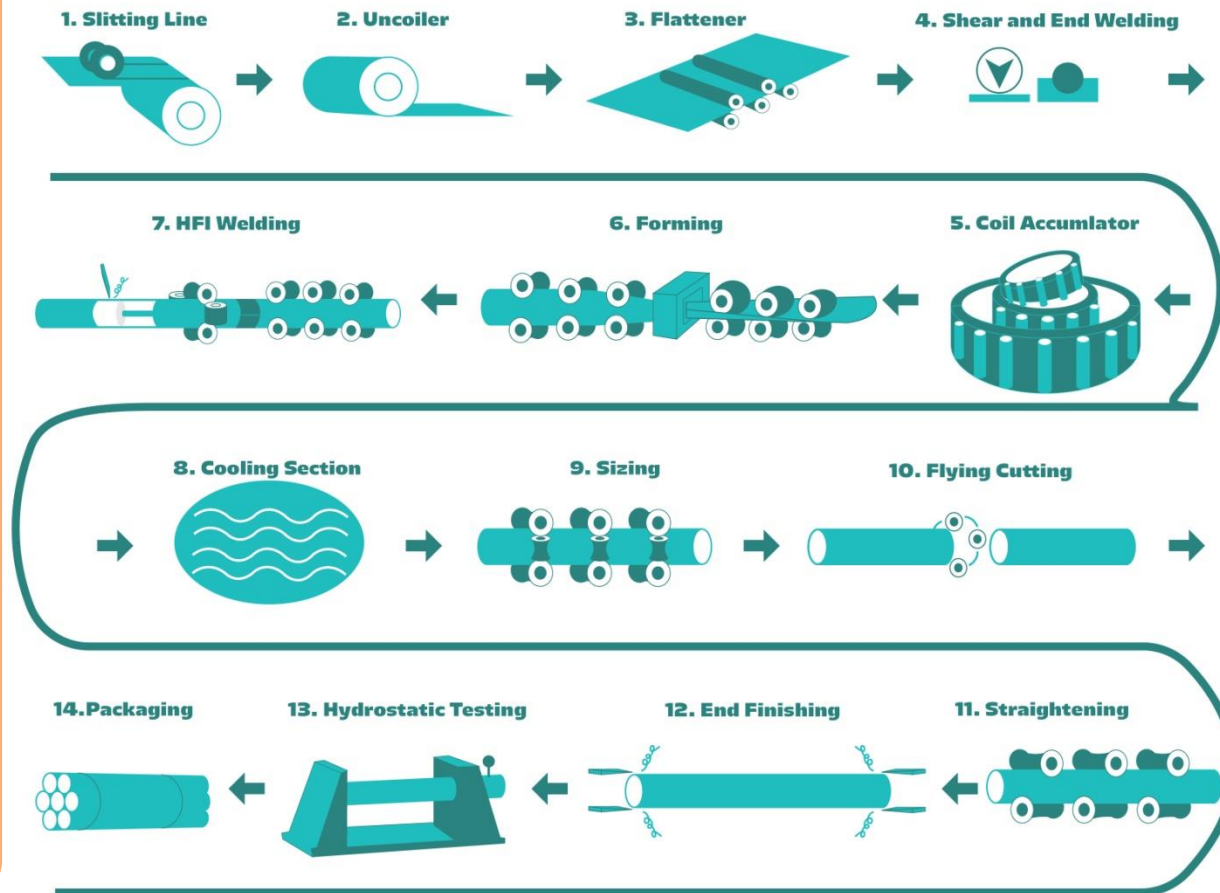
- Friction Saw Flying Cut Off
- Cold Saw Flying Cut Off
- Milling Type Orbital Flying Cut off Cold Saw

Finishing Section

- Straightener
- End Finishing Machine
- Hydrostatic Tester

Slitting Line

Cut To Length Line



Transforming Your Tube Mill

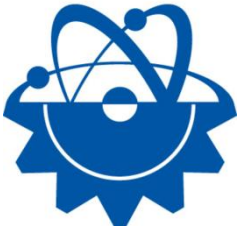
With nearly a thousand of installations globally, SRET Equipment has learned a lot about tube manufacturing. We've used this knowledge to create solutions based on three principals:

- Latest Technologies
- Optimal Cost of Ownership
- Upmost Flexibility



Trusted Tube Mill Solutions

Leveraging our powerful technology expertise and extensive domain experience is why so many trust SRET Equipment to deliver real results:



Latest Technologies

Well proved technologies ensure the customer a edge in today's tube making competition



Optimal Cost of Ownership

In-depth know-how help reduce ownership cost while guaranteeing technical advances



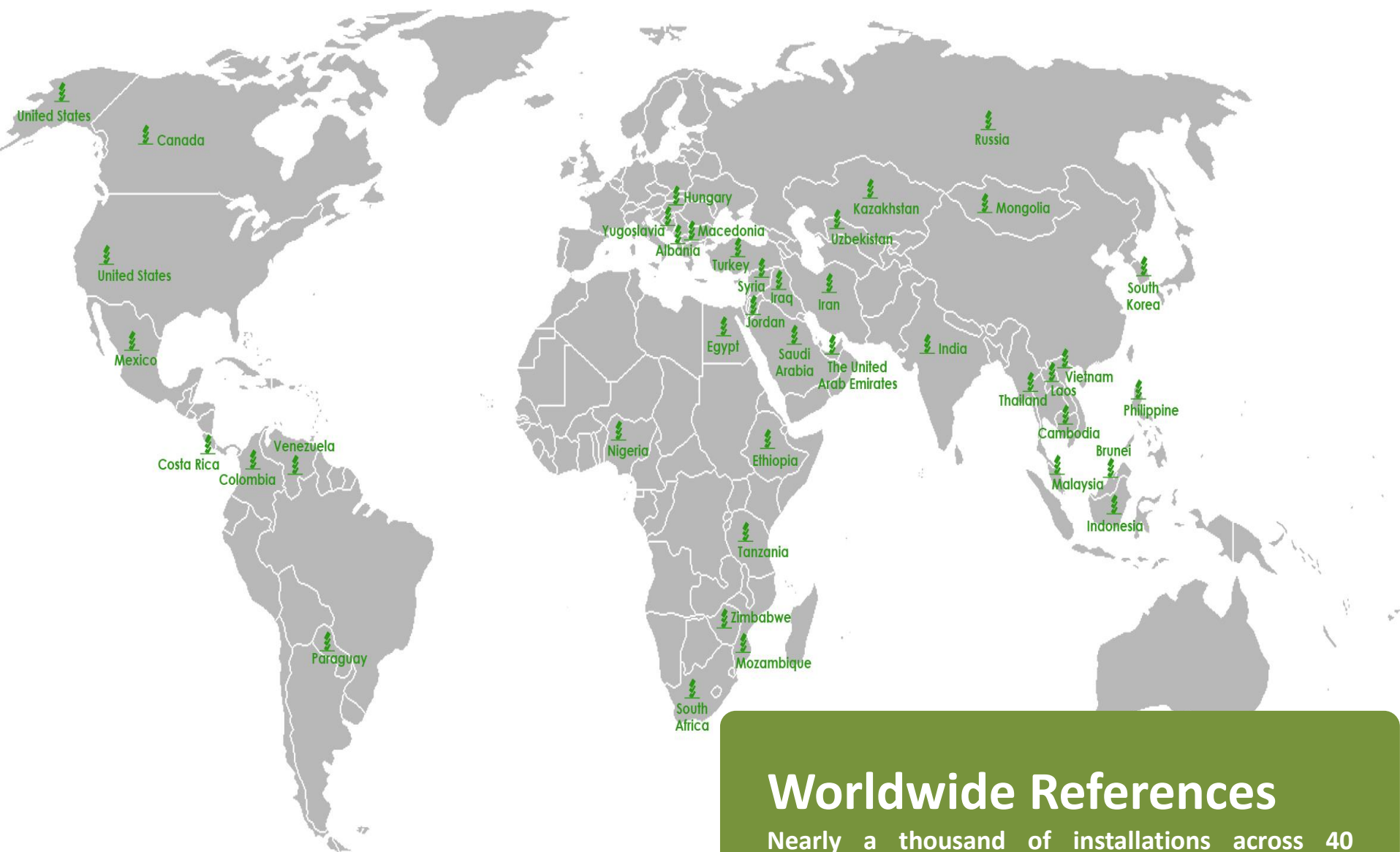
Upmost Flexibility

Commitment to custom-made solutions to accommodate your varying requirements



Trust

Always uphold a highest standard of integrity for a complete customer satisfaction



Worldwide References

Nearly a thousand of installations across 40 countries drive for customers' tube making excellence on a daily basis

Chongqing Longchang Steel Pipe – Chongqing , China

Case Background - Ø130 High Strength Tube Mill New Line / 2016

A increasing demand of High Strength steel tube has been seen by the customer. The principal characteristics of tube and pipe in High Strength steel, with respect to traditional steel grades, are elevated yield value and good toughness. With these properties, High Strength steel tube can be used in a variety of tough applications. To leverage the industrial trending, Sichuan Rongchang Steel Pipe planed to build a new high-precision tube mill line to produce Ø130 pipe in High Strength steel, with SRET Equipment's help on some of its key sections.



Our Solutions

The entire mill entry section composed of uncoiler, flattener, shear & end welder, and horizontal spiral accumulator. The type of flying cutoff machine offered is milling type orbital flying cutoff cold saw.

Chongqing LongChang Steel Pipe – Chongqing , China



VALUES DELIVERED

- ✓ High automation level and low manpower required, one-man operation for entire mill entry section
- ✓ Eliminate the requirements for end facing process for a big cost saving, with burr-free cutting achieved by milling type orbital flying cutoff cold saw
- ✓ High product quality that brings high competitiveness to the customer
- ✓ Designed with compatibility preserved for future upgrading and production technology advancement
- ✓ High throughput in producing high strength steel pipe
- ✓ Easy operation and maintenance

Borusan Mannesmann – Istanbul, Turkey

Case Background – Ø168 ERW Tube Mill Existing Line Retrofit / 2015

Headquartered in Istanbul of Turkey, Borusan Mannesmann has started its business in 1858 as the first enterprise of Turkey's leading industrial power. Today, with its 5 production plants in 3 continents, Borusan Mannesmann is among Europe and the world's leading producers in steel pipe industry. In 2012, SRET Equipment has helped Borusan Mannesmann with retrofitting its 340 ERW tube mill by replacing entry line section. This time, we are honored again by the customer to help retrofit its 168 ERW tube mill line for productivity improvement.



Our Solutions

Complete entry line section including Uncoiler, Flattener, Shear & End Welder, and Horizontal Spiral Accumulator, capable of handling the strip of 1.9 – 10mm thickness and 300 – 550mm width. And fully automatic Friction Saw Flying Cut Off with pipe cut length of 5 – 12.8m and tolerance of $\pm 3\text{mm}$.

Borusan Mannesmann – Istanbul, Turkey



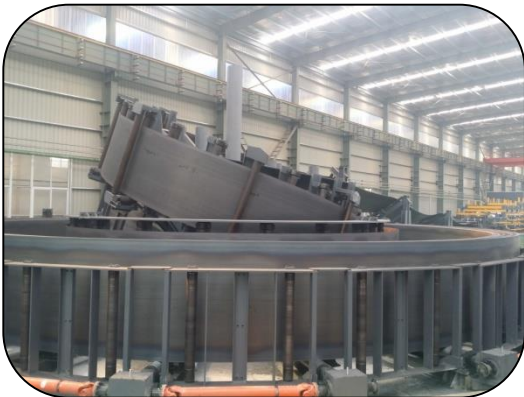
VALUES DELIVERED

- ✓ Increased production efficiency on existing line
- ✓ Reduced downtime
- ✓ Easy operation and maintenance
- ✓ Improved throughput
- ✓ Capable of producing product of various grade and hardness
- ✓ Increased strip accumulator storage capacity to ensure a non-stop running
- ✓ Reduced manpower cost on existing line, with high automation level

Tianjing Youfa Steel Pipe Group – Tianjing, China

Case Background — 400mm Square Tube Mill New Line / 2016

In 2015 the customer became the first manufacturer in China whose annual production volume of tube & pipe reaches 10 million tons. For the past 10 consecutive years, it has remained the No. 1 manufacturer in China in term of annual output. Tianjing Youfa Steel Pipe Group has recently observed a great growth opportunity in the market worldwide for large sized square or rectangular tube. They decided to build a new line to produce 400mm square tube, by adopting SRET Equipment machinery to some of its key sections.



Our Solutions

Complete entry line sections, and a milling type orbital flying cutoff cold saw that realizes a burr-free cutting with high precision. The entry line machinery includes uncoiler, flattener, shear & end welder, and horizontal spiral accumulator.

Tianjing Youfa Steel Pipe Group – Tianjing, China



VALUES DELIVERED

- ✓ Complete automation and communication among uncoiler, leveler, shear & end welder, and accumulator, realizing one-man operation for the entire entry line section
- ✓ Latest technologies to keep machine up and running at its full capabilities
- ✓ Milling type orbital flying cutoff cold saw ensure a burr-free cutting, eliminating the requirement for end facing for a big cost saving
- ✓ Able to handle heavy gauge material
- ✓ Optimal total cost of ownership
- ✓ Easy operation and maintenance

Barnes Tubing Industries – Johannesburg, South Africa

Case Background - Ø114 Tube Mill Existing Line Retrofit / 2016

Established in 1999, Barnes Tubing Industries (Pty) Ltd has been one of the best recognized manufacturers in South Africa. In 2012, SRET Equipment has helped the customer build up a new Ø273 tube mill line by supplying the whole entry line section plus milling type orbital flying cutoff cold saw. This new Ø273 line enable the customer to offer one of the largest ranges of tube and pipe in its country. In 2016, the customer choose SRET Equipment again to upgrade its existing Ø114 tube mill line on its strip storage machine and flying cut off machine.



Our Solutions

SRET Equipment provided 114 horizontal spiral accumulator capable of handling the material of 0.9 - 3.9 mm thickness and 77 - 360 mm width, as well as 114 cold saw flying cutoff that ensure a burr-free cutting edge with high precision.

Barnes Tubing Industries – Johannesburg, South Africa



VALUES DELIVERED

- ✓ Cold saw flying cutoff enable a burr-free cutting without needs for end facing process for a big cost saving
- ✓ Increased strip accumulator storage capacity to ensure a non-stop running
- ✓ Prolonged service life of forming machines and rollers, achieved by adopting our sophisticatedly designed horizontal spiral accumulator
- ✓ Reduction of operation cost
- ✓ Improved product surface quality
- ✓ High precision & high productivity

Seven Star Group – Mozambique, Philippine, China, Brunei

Case Background — Ø610mm Tube Mill New Line in Mozambique / 2008; Ø355mm New Line in Philippine / 2011; Ø630mm New Line in China / 2012; Ø273mm New Line in Brunei / 2015

Headquartered in Huludao city of China, China 7 Star Group is a truly global company with tube manufacturing plants located over several countries. Over 90% of its products has been sold through outside China, meeting various global standards like API, CE, DNV, etc,. Since founded in early 1990s, the company has been long time customer with SRET Equipment, who has provided tube mill solutions in its Ø610mm line in Mozambique in 2008, Ø355mm line in Philippine in 2011, Ø630mm line in China in 2012, Ø273mm line in Brunei in 2015.



Our Solutions

The following machinery adopted brings the customer a subsequent competitiveness: Shear & End Welder, Horizontal Spiral Accumulators, and Milling Type Orbital Flying Cutoff Cold Saw

Seven Star Group – Mozambique, Philippine, China, Brunei



VALUES DELIVERED

- ✓ Smooth and high-hardness coil joining weld seam by Shear & End Welder
- ✓ Huge coil storage capability provided by Horizontal Spiral Accumulator, that also prolongs the service life of forming machines and rollers
- ✓ Milling type orbital flying cutoff cold saw for a long lasting blades and beautiful cutting face without needs for end facing
- ✓ Able to handle heavy gauge material
- ✓ Ultimate product quality
- ✓ Reduced operation expense
- ✓ High level automation for easy operation and maintenance

Hengshui Jinghua Steel Pipe – Hengshui, China

Case Background — Ø219mm Tube Mill Existing Line Upgrade / 2015

Hengshui Jinghua Steel Pipe is one of the biggest tube & pipe manufacturer in China with employees of 1800 and 15 ERW production lines. The company is honored to be the first-class supplier for China National Petroleum Group and Petro China Group. For 3 decades, SRET Equipment has supplied many sets of tube mill machines applied to its several lines, which earned a complete customer satisfaction and trust. In 2015, the customer came to SRET Equipment again for help upgrade its existing Ø219 ERW line. One of key challenge is that in order to minimize the impact of existing line stoppage, the customer requested the shortest lead time possible and only one month allowed for completing the installations and commissioning for all the machines.



Our Solutions

The entire entry line section including Uncoiler, Leveling machine, fully automatic Shear & End Welder, Horizontal Spiral Accumulator, and plus Milling Type Orbital Flying Cutoff Cold Saw

Hengshui Jinghua Steel Pipe – Hengshui, China



VALUES DELIVERED

- ✓ Process a broader range of material, thickness up to 12mm from previous 8mm
- ✓ Higher productivity, mill speed increased to 40 m/min
- ✓ Increased automation level and reduced manpower required, the number of operators for entry line down to 1 from previous 4
- ✓ Eliminate the requirements for end facing process for a big cost saving, with burr-free cutting accomplished by milling type orbital flying cutoff cold saw
- ✓ 3 months of lead time and less than 1 month for installations and commissioning, enable a minimized financial impact by existing line stoppage
- ✓ Easy operation and maintenance



**Full
Compliance**



**In-depth
Know-how**



**Service
Commitment**



**Production
Quality**



**Flexible
Solutions**



**Engineering
Expertise**

It's All About Results

SRET Equipment understands what it takes to be successful in tube making industry, and we're delivering proven solutions to help you drive performance.

- Latest Technologies
- Optimal Cost of Ownership
- Upmost Flexibility

