



Heavy Slitting Machine



Heavy Cross Cutting Machine



Big Diameter LSAW Pipe Mill



Small Diameter LSAW Pipe Mill



Precision Slitting Machine



Pipe Straightening Machine



Pipe Chamfering Machine



High Pressure Hydrostatic Testing Machine



COMPANY PROFILE

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COMPANY PROFILE:

Gallium HNGK is a manufacturing company for a complete set of steel pipe production lines/mills and can provide turnkey engineering according to customers' demands. Our products are sold to nearly 20 provinces and cities in China, and exported to Malaysia, Indonesia, Thailand, Poland, Uzbekistan, Russia, South Korea, Iran, and more.

MAIN PRODUCTS:

Seamless steel pipe production line
PQF three roll continuous rolling seamless pipe production line
Longitudinal submerged arc welded pipe production line
Straight seam high-frequency welded pipe (ERW) production line
Large diameter stainless steel pipe production line
Composite pipe (bimetallic) production line
Cold roll formed steel production line
Cold roll bend (steel sheet pile) production line
Slitting line
Cross cutting (shearing) line
Rectangle & square tube line with direct to square forming technology
Rectangle & square tube line with round to square forming technology
Spiral pipe production line

FEATURES:

1. Forming machine adjustment without roller replacement technology:

Adopts the world's most advanced forming machines, the rough forming machine can produce all specifications of steel pipes without the need for roller replacement, reducing roller replacement time, low failure rate, and high productivity.

2. Fully automated control:

Adopts advanced automated control systems and establishes a comprehensive database. When changing product specifications, simply select parameters such as the diameter, length, and wall thickness of the steel pipe in the system, and the rolling mill will automatically adjust to the correct position, reducing labor intensity and improving production efficiency.

3. Advanced quality management system:

Adopts an intelligent numbering and identification system, and exchanges information with the higher-level system in real time, so that all steel pipes are in a recognizable and manageable state, which is conducive to production management and improves finished product productivity.



340mm Continuous Rolling Seamless Pipe Production Line



273mm Seamless Pipe Mill



530mm ERW Pipe Mill



355mm ERW Pipe Mill



Stainless Steel Pipe Mill



Square-Rectangular Pipe Mill



Cold Roll Forming Machine For Steel Sheet Piles



SSAW Pipe Mill



Straightening Machine



Pilger Mill



Mechanical Chain Cold Drawing Machine



Hydraulic Cold Drawing Machine



Pipe End Shrinking Machine



Roll Pass Machining Lathe



Walking Furnace



Annular Furnace



Seamless Pipe Mill

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Seamless Pipe Mill

The seamless pipe mill heats the steel billet, pierces it in the center, and then undergoes subsequent processing to become a seamless pipe.

According to the material of the billet, it is divided into two categories: mild steel seamless pipe mill and stainless steel seamless pipe mill.

• MILD STEEL SEAMLESS PIPE MILL

The mild steel seamless pipe mill can be divided into continuous rolling mill and skew rolling mill.

The continuous rolling mill can be divided into three types according to the operation mode of the mandrel: floating mandrel, limiting mandrel, and semi floating mandrel.

The most widely used is the limited mandrel mill, which is divided into two roll (MPM) continuous rolling mill and three roll (PQF) continuous rolling mill based on the number of rolls installed in the stand.

The skew rolling mill is divided into two types based on the number of rolls: two-roll (Accu Roll) mill and three-roll (Assel) mill.

The continuous rolling mill is suitable for the production of large quantities of pipes, with high output, longer rolled pipes (pipe length can exceed 30m), good quality of the inner and outer surfaces of the products, high yield, large specification range, and large D/S (over 42). But its investment is large, there are many tools and spare parts, and it takes a long time to replace the specifications. The annual capacity of the continuous rolling mill can reach 0.5 to 1 million tons.

The skew rolling mill is suitable for small batch and multi variety pipe production, with low investment, fewer tools and spare parts, low tool consumption, flexible production, and less time for changing specifications. But the production is relatively low, the rolled pipes are relatively short (pipe length generally does not exceed 15m), the quality of the inner and outer surfaces of thin-walled pipes is unstable, the specification range is small, the D/S is small (less than 40), and the yield is low.

Process flow:

Billet → Inspection → Grinding → Sawing → Heating → Hot centering → (High pressure water → descaling) → Piercing → (High pressure water descaling) → Rolling → (Secondary heating) → High pressure water descaling → SRM → Cooling → Cutting the head and tail → Straightening → Hydro testing → Chamfering → UT → Manual inspection → Weighing, measuring length, marking → Packaging

• STAINLESS STEEL SEAMLESS PIPE MILL

Due to the relatively small range of forging temperature of stainless steel, it cannot be rolled after piercing. The pierced tube is directly subjected to rapid water cooling and then subjected to cold processing. There are two types of cold processing, one is cold rolling process and the other is cold drawing process.

Cold rolling is the use of a Pilger Mill to reduce the diameter and wall thickness of steel pipes, which has the advantages of high precision and good surface quality, but low processing efficiency.

Cold drawing processing has high efficiency, but the surface quality of steel pipes is not as good as cold rolling. Cold drawing machines are divided into hydraulic cold drawing machines and chain mechanical cold drawing machines. Generally, hydraulic cold drawing machines are used for large diameter steel pipes, while mechanical chain cold drawing machines are used for small diameter steel pipes.

Cold rolling and cold drawing processes are also commonly used to process precision seamless carbon steel pipes.

Process flow:

1. Perforation area: steel billet → (peeling) → inspection → grinding → sawing → cold centering → heating → (high-pressure water descaling) → piercing → water cooling → packaging

2. Cold processing area: steel pipes → pickling → phosphating → saponification → cold drawing → cold rolling → annealing → cutting head and tail → straightening → hydrostatic testing → chamfering → UT → eddy current testing → manual inspection → packaging

3. Pickling and passivation area: steel pipe → Pickling → passivation → packaging

4. Packaging area: steel pipe → weighing, measuring length, marking → packaging → film wrapping → finished product storage



PQF Continuous Pipe Mill



Cone-Roll Piercing Machine



Accu Roll Rolling Mill



Stainless Steel Pipe Piercing Machine



Assel Rolling Mill



SRM



Walking Cooling Bed



Chain Type Cooling Bed



Forming Machine



Rough Forming Machine



Welding Device



Shear Welding Machine



Leveling Machine



Precision Forming Machine



Uncoiler



Accumulator



ERW Pipe Mill

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ERW Pipe Mill

The steel coil after slitting is uncoiled and leveled. Then, they are sent into forming machine. The coil is bent into pipe by rolls. The edge of the coil is melted by making use of the proximity effect and skin effect of high frequency current. Squeeze and weld an infinitely long pipe using squeezing roller, and then cut it into a fixed length pipe using the flying saw.

- According to the different forming methods, the mill can be divided into fully automatic flexible forming mill and roll forming mill.

1. Automatic Flexible Forming Mill

By adopting the principle of flexible forming, the rough forming machine rollers can produce pipes of all specifications without the need for replacement, and a comprehensive database has been established. When changing the specifications of the tube, the adjustment of the rough forming machine rollers is fully automated. Simply input parameters such as tube diameter, wall thickness, and material on the touch screen, and all rollers will be automatically adjusted to the appropriate position for production. This saves a lot of adjustment time, making it possible to produce multiple varieties and small batch orders, and increases the productivity of the mill. And the automatic flexible forming unit can also make adjustments accurate, reduce manual adjustment errors, and improve the output of the mill. When producing pipes of different specifications, the rollers of the precision forming machine and the sizing machine need to be replaced. The replacement adopts the method of hanging up and pushing out from the side. It can greatly shorten the time for replacing rollers and reduce labor intensity. The large-diameter pipe mill adopts rough forming machine for automatic flexible forming combined with precision forming machine and sizing machine for side roll replacement, which can reduce investment and improve efficiency. It can complete the replacement of specifications in 2 hours, increasing efficiency by 10–20 times.

2. Roll Forming Mill

The mill adopts roll pressing forming. When changing the pipe specifications, the rough forming machine roller needs to be removed and adjusted in position or replaced. The small pipe mill adopts roll forming, which can reduce investment and the time for changing specifications is also within an acceptable range.

The mill developed by our company adopts roll forming when producing small diameter pipes ($\leq 114\text{mm}$). Fully automatic flexible forming is adopted when producing large diameter pipes ($\leq 711\text{mm}$).

- According to the purpose of the pipe, the mill can also be divided into API standard mill and ordinary mill.

1. API ERW Pipe Mill

API ERW pipe mill is mainly used for producing the high-grade pipes such as oil and gas line pipes and casing pipes. These high-grade pipes strictly require the pipe material and pipe quality. The pipe mill is equipped with online steel plate UT, online weld UT, weld annealing, air-cooled roller table, offline weld UT, hydro testing machine and other equipment.

Process:

Loading Coil – Uncoiling – Leveling – Cutting and Welding – Accumulator – (Precise Leveling) – (Milling Edge) – Online Steel Plate UT – Forming – HF Welding – Water Cooling – Online Seam UT – Annealing – Stable Pulling – Air Cooling – Water Cooling – Sizing – Cutting – Hydrotester – Chamfering – Offline Seam UT – (Drift Diameter) – Weighting, Measuring, Marking – Pipe Collection

2. Ordinary ERW Pipe Mill

Ordinary pipe mill is used to produce low-pressure fluid pipes, pile driving steel pipes, mechanical structure pipes, etc., with simple configuration and low investment.

Process:

Loading Coil – Uncoiling – Leveling – Cutting and Welding – Accumulator – (Precise Leveling) – (Milling Edge) – Forming – HF Welding – Water Cooling – Sizing – Cutting – Hydrotester – Chamfering – Pipe Collection



89mm ERW Pipe Mill



168mm ERW Pipe Mill



219mm ERW Pipe Mill



273mm ERW Pipe Mill



325mm ERW Pipe Mill



355mm ERW Pipe Mill



406mm ERW Pipe Mill



530mm ERW Pipe Mill



610mm Stainless Steel Pipe Mill



630mm Stainless Steel Pipe Mill



508mm Stainless Steel Pipe Mill



630mm Forming Machine



Sizing Mill



Precision Industrial Welded Pipe Machine



Stainless Steel Pipe Mill

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Stainless Steel Pipe Mill

The stainless steel coil after slitting is uncoiled and leveled. Then, they are sent into forming machine. The coil is bent into pipe by rolls. The joint welding of plasma welding machine and argon arc welding machine will weld the pipe.

According to the different forming methods, the mill can be divided into fully automatic flexible forming mill and roll forming mill.

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2. Roll Forming Mill

The mill adopts roll pressing forming. When changing the pipe specifications, the rough forming machine roller needs to be removed and adjusted in position or replaced. The small pipe mill adopts roll forming, which can reduce investment and the time for changing specifications is also within an acceptable range.

The mill developed by our company adopts roll forming when producing small diameter pipes ($\leq 114\text{mm}$). Fully automatic flexible forming is adopted when producing large diameter pipes ($\leq 711\text{mm}$).

Process:

Loading Coil – Uncoiling – Leveling – Cutting and Welding – (Edge Planer) ? Forming – PPT Welding – Grinding of Outer Weld Seam – (Smoothing of Inner Weld Seam) – (Online Solid Solution) – Water Cooling – Sizing – (Online Weld UT) – Cutting ? Offline Solid Solution – Straightening – Hydrotester – Chamfering – Offline Weld UT – Pickling and Passivation – Weighting, Measuring, Marking – Packaging – Film Wrapping – Storage



219mm Forming Machine



219mm Stainless Steel Pipe Mill



406mm Stainless Steel Pipe Mill



426mm Stainless Steel Pipe Mill



426mm Forming Machine



Reinforcement Spiral Pipe Mill



Uncoiler



Forming Machine



Internal Welding Machine



Corrective External Welder



Hydrostatic Testing Machine



Chamfering Machine



Fixed Length Cutting Machine



Spiral Pipe Mill

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Spiral Pipe Mill

The steel coils are uncoiled and leveled by the equipment. And they are sent to the forming machine in a certain angle. Supplemented by a certain angle, the continual pipes are formed in the principle of three-roll rolling machine. Then, the submerged arc welding machine welds the inner and outer welds to form a spiral pipe.

Spiral pipe mill can be divided into one-step and two-step mills based on different forming and welding processes.

The forming and welding of the one-step mill are carried out simultaneously, and the weld seam is filled with qualified material at once to complete the production of the spiral tube. One welding step can complete the production of spiral tubes, such as front swing spiral tube mill and rear swing spiral tube mill.

The two-step mill only performs pre welding during pipe forming, that is, using gas shielded welding to slightly weld the weld seam. At this time, the weld seam is not filled, as long as the weld seam is firmly welded without cracking. After cutting the pipe, the inner and outer welds of the pipe are filled with submerged arc welding. Two welding steps are required to complete the production of spiral tubes, such as pre – and precision welding pipe mill. The characteristics of the two-step mill are large capacity and good pipe quality. The capacity is about three times that of a one-step mill. Due to the absence of interference from other factors during welding, the welding quality is very good.

1. Front Swing Spiral Tube Mill

One step process. Welding needs to be stopped when replacing steel coils. Intermittent production. The annual production is approximately 20000 to 80000 tons.

Process:

Loading Coil – Uncoiling – Leveling – Shear and Welding – Edge Milling – Feeding – Pre-bending and Guide Plate – Forming – Internal Welding – External Welding – Cutting – Pipe Pulling Out – Weld Seam Grinding – Pipe End Expanding – X-Ray Testing – Hydraulic Testing – Chamfering – UT – Tube End Filming – Weighting, Measuring, Marking – Finished Product Collecting

2. Rear Swing Spiral Tube Mill

One step process. Welding does not need to be stopped when replacing coils. Continuous production. The annual production is approximately 30000 to 120000 tons.

Process:

Loading Coil – Uncoiling – Leveling – Shear and Welding – Edge Milling – Feeding – Fly Welding – Delivering – Pre-Bending and Guide Plate – Forming – Internal Welding – External Welding – Cutting – Pipe Transport – Weld Seam Grinding – Pipe End Expanding – X-Ray Inspecting – Hydro Testing – Charming – UT – Tube End Filming – Weighting, Measuring, Marking – Finished Product Collecting

3. Pre Welding And Precision Welding Pipe Mill

Two steps process.

Compared with the normal spiral pipe mill, the forming does not weld completely. Just use a gas shielded welding machine to slightly weld the joint of the steel pipe, as long as it ensures that the weld seam does not expand. Then, the pipe will be cut off. After the pipe is sent out the line, the pipe will be delivered to the precise welding machine to have the welding on the internal and external weld seam.

This kind of forming technology has many advantages. Firstly, the forming and welding are separated. Then, the effect from forming process will be eliminated during the precise forming. The welding seam quality can be guaranteed more. Secondly, the production efficiency is the four times of the one in normal spiral line due to adopting the high-speed forming machine (the speed can reach to 8m/min). The precise welding machine has four sets. Then, the one combined mill production capacity can be three or four times of the normal one. This kind of mill is suitable for large pipe plant with good quality and high efficiency. This mill is mainly used for manufacturing the oil, gas (long distance) line pipes, which has the high requirement on the material and quality, the same as the equipment.

Process:

Loading Coil → Uncoiling → Centering → Leveling → Centering → Cutting and Welding → Centering → Milling edge 1 → Milling edge 2 → Cleaning → Centering → Delivery → Guide Plate → Forming → Pre Welding → Cutting → Pipe Output → Cleaning Of Welding Slag → Transport to the precision welding line (4 lines working simultaneously) → Pipe feeding → Align the welding position → Weld both inside and outside the pipe simultaneously (weld seam tracking) → Output pipe → Cleaning welding slag → Cutting and sampling → Inspection and repair → Grinding of pipe ends → X-Ray Inspection → Pipe End Expanding → Hydro Testing → UT (Welding seams and plates) → Manual UT → Chamfering → Tube end X-ray inspection → Finished product inspection → Weighing and length measurement → Marking → Storage

4. Fully Automatic Adjustable Spiral Tube Mill

It is the latest equipment developed by our company, with advantages such as low scrap rate, accurate adjustment, and fast speed. When changing specifications, it is necessary to adjust the angle between the rear axle and the forming machine, the position of the positioning vertical roller of the forming machine, the angle of the 7 constituent rollers of the forming machine, the position and angle of the 7 groups of rollers of the forming machine, the position and angle of the welding pad rollers, the angle of the rear axle driving roller, the angle of the rear axle stabilizer roller, the position of the rear axle stabilizer roller, and the angle of the flying cutter wheel. All the angles and positions that need to be adjusted for the automatic computer-controlled spiral tube mill are precisely controlled by the encoder, and a complete database is established in advance according to theoretical data. When producing pipes of a certain specification, simply input parameters such as plate width, pipe diameter, and wall thickness on the computer, and all parts will automatically reach the correct position for direct production. This reduces adjustment time and improves efficiency.



Spiral Tube Mill



Rear Swing Spiral Tube Mill



3620mm Spiral Tube Mill



Front Swing Spiral Tube Mill



Automatic Adjustment Pipe Mill



Front Swing Spiral Tube Mill



Pre Welding And Precision Welding Pipe Mill



Aluminum Alloy Spiral Tube Mill



350x350mm Square & Rectangle Tube Mill



500x500mm Square & Rectangle Tube Mill



550x550mm Square & Rectangle Tube Mill



Automatic Adjustment Forming Machine



Square & Rectangle Tube Mill

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Square & Rectangle Tube Mill

According to the forming method, the square tube mill can be divided into direct to square pipe mill and round to square pipe mill.

1. Direct To Square Pipe Mill

The direct to square pipe mill is to bend the strip and gradually shapes it into square and rectangular tubes. Use fully automatic mode when changing specifications. Simply input parameters such as pipe diameter, wall thickness, and material on the touch screen, and the rolls will automatically adjust to the appropriate position, allowing for direct start-up of production. This saves a lot of adjustment time, making it possible to order multiple varieties and small batches, and increases the production efficiency. And fully automatic computer control ensures accurate adjustment, reduces manual errors, increases output, and increases economic benefits.

2. Round To Square Pipe Mill

The round to square tube mill first shapes strips into round tubes, and then shapes round tubes into square and rectangular tubes. When changing specifications, the forming machine does not need to replace the rolls, and the sizing machine completes the round to square process. Our equipment adopts the latest technology, and the round to square rolls of the sizing machine does not need to be replaced. Only welding rolls and Turks heads need to be replaced, and other rolls do not need to be replaced. The specifications are changed using computer control. This can avoid significant investment and also produce high-quality square and rectangular tubes.

Process:

Coil Loading – Uncoiling – Leveling – Shear and Welding – Accumulator – Forming – HF Welding – Stable Pulling – Water Cooling – Sizing (round to square) – Fixed-Length Cutting – Automatic Stacking – Packing



100x100mm Square & Rectangle Tube Mill



250x250mm Square & Rectangle Tube Mill



300x300mm Square & Rectangle Tube Mill



400x400mm Square & Rectangle Tube Mill



Sheet Piles



Cold Bending Forming Machine



Light Steel Sheet Pile Cold Bending Machine



Heavy Steel Sheet Pile Cold Bending Machine



Cold Bending Mill

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Cold Bending Mill

The cold bending mill opens and flattens a certain width of steel coil, and then the plate enters the forming machine. The steel plate is cold bent into the desired profile by the rolls.

The cold bending mill is equipped with different rollers and can produce many types of products, such as steel sheet piles, channel steel, cap steel, vehicle channel plates, C-shaped steel, etc.

The cold bending mill specializing in the production of steel sheet piles adopts segment-by-segment arc flexible forming technology, reaching the world's first-class level.

Process:

Coil Loading–Uncoiling–Leveling–Cutting and Welding–
Forming–Cut to Length–Stacking–Storage



U-Beam Steel Cold Bending Mill



Forming Machine



Fixed-width Disc Shears



Slitting Machine



Slitting Machine



Slitting Machine



Longitudinal And Transverse Shearing Machine



Slitting Machine

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Slitting Machine

The slitting machine opens and levels the steel coil, the disc shear slits the steel plate into the required steel strip, and the coiling machine winds up the steel strip and then packs the coil.

Our slitting machine has a number of patented technologies. The hydraulic feeding device can put the strip in the right position, which makes the strip enter the tensioner and separator smoothly, and improves the efficiency of the machine. Hydraulic individual jaws allow for secure clamping of strips.

According to the process can be divided into slitting machine and longitudinal & transverse shearing machine. Longitudinal and transverse shearing machine can cut the strip longitudinally as well as transversely.

Slitting machine process:

Coil Loading→Uncoiling→ Leveling → Ends Cutting→ Circle Shear→Scraps Coiling→Accumulator→ Separating→ Tensioner →Recoiling

Longitudinal and transverse shearing machine process:

Preparation table→ Loading car→ Uncoiling→ Removal heads (lead, spade, straight)→Pinching and precision leveling (encoder length measurement)→ Cross cutting→ Centering roller and protective roller → Disc slitting machine→ Scrap coiling→ Pre-separated throwing car and accumulator→ Discharging and stacking→ Feeding device and fixed separation disk → Plate head and tail bending→Tensioner →Coiler (movable separation disk, push-out device, manual packaging machine)→ Unloading



Heavy Slitting Machine



Heavy Slitting Machine



Heavy Slitting Machine



Heavy Slitting Machine



Heavy Slitting Machine



Heavy Slitting Machine



Heavy Slitting Machine



Slitting Machine



Light Cross Cutting Machine



Light Cross Cutting Machine



Light Cross Cutting Machine



Heavy Cross Cutting Machine



Heavy Cross Cutting Machine



Cross Cutting Machine

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Cross Cutting Machine

The cross cutting machine opens the coil, levels it, then shears it to the required length, then levels the plate and finally stacks and packs them.

According to the thickness of the plate, it is divided into heavy-duty and light-duty cross cutting machines. The heavy cross cutting machine needs to be stopped for cutting, and a hydraulic shearing machine is used. The light cross cutting machine does not require stopping the machine for cutting, and adopts a flying shear machine.

Process:

Loading – Uncoiling – Pinching and leveling – Edge removal – Cutting – Fine leveling – Stacking – Packing



Light Cross Cutting Machine



Heavy Cross Cutting Machine



Light Cross Cutting Machine



Light Cross Cutting Machine



RB Forming Machine



RB Rear Pre Bending Machine



Pre Welding Machine



Precision Welding Machine



Pipe Body Expanding Machine



Pipe Chamfering Machine



Hydrostatic Testing Machine



Forming Machine



LSAW Pipe Mill

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LSAW Pipe Mill

The longitudinal submerged arc welded pipe mill first pre welds the formed pipe and then performs submerged arc welding to obtain high-quality longitudinal submerged arc welded pipes.

According to the pipe diameter, it can be divided into large-diameter longitudinal submerged arc welded pipe mill and small-diameter longitudinal submerged arc welded pipe mill.

1. Large-Diameter LSAW Pipe Mill

Using steel plates as raw materials and adopting intermittent production process. The production process is divided into JCOE process and RBE process.

The JCOE process can produce pipes with a thickness exceeding 30mm, suitable for the production of thick walled pipes. But the production efficiency is low (10 tubes/hour) and the investment is relatively high. The equipment is usually used for the production of steel pipes with a diameter of 508-1422mm, a wall thickness of 8-40mm, and a length of 10-12.5m.

The production efficiency of RBE process is high (15 tubes/hour), and the investment is relatively small. But the maximum wall thickness does not exceed 30mm. The equipment is usually used for the production of steel pipes with a diameter of 508-1422mm, a wall thickness of 6-30mm, and a length of 10-12.5m.

Process:

Steel Plate UT – Edge Milling – Front Pre Bending – JCO Forming Machine – (RB Forming Machine) – (Rear Pre Bending) – Pre Welding – Inner Weld Welding – Outer Weld Welding – UT – Weld X-Ray Test – Pipe Body Expansion – Hydrostatic Testing – Straightening – Rounding – Pipe End Inner And Outer Weld Grinding – Chamfering – UT – X-Ray Testing – Pipe End X-Ray Photography – Weighing And Measuring Length – Marking – Storage

2. Small-Diameter LSAW Pipe Mill

Using steel coils as raw materials and adopting a continuous production process. The equipment adopts fully automatic roller forming.

Small diameter longitudinal submerged arc welded pipes have obvious advantages. It overcomes the disadvantage of poor control over the weld quality of ERW pipes, which is inferior to that of submerged arc welding. Overcoming the disadvantages of long weld seams in spiral pipes and unsuitable detection for buried spiral welds. Overcoming the drawbacks of huge investment and high production costs in UOE and JCOE.

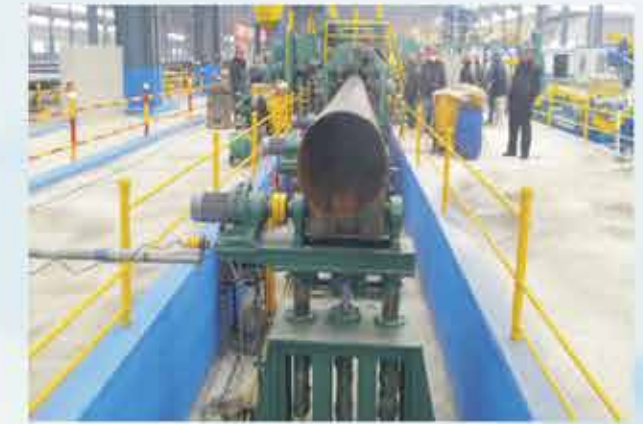
The small diameter longitudinal submerged arc welding pipe mill can be used as a supplement to the large diameter longitudinal submerged arc welding pipe mill. Because it is difficult and costly for UOE and JCOE units to produce pipes with a diameter of 711mm or less. The small diameter longitudinal submerged arc welded pipe mill has the advantages of low production cost and high output. It can compensate for the lack of competitiveness caused by JCOE's low production capacity and high prices in the small and medium diameter field.

Process:

Loading → Uncoiling → Remove Head → Shear And Welding → Milling Edge → Steel Plate UT → Continuous Forming → Pre Welding → Fixed Length Cutting → Inner Weld Seam Welding → Outer Weld Seam Welding → Pipe Body Expansion → Weld Seam X-Ray → Hydrostatic Testing → Pipe End Inner And Outer Weld Seam Grinding → Chamfering → Weld Seam UT → Pipe End X-Ray Photography → Weighing And Measuring Length → Marking → Storage



Big-Diameter LSAW Pipe Mill



Small-Diameter LSAW Pipe Mill



Small-Diameter LSAW Pipe Mill



Small-Diameter LSAW Pipe Mill



Small-Diameter LSAW Pipe Mill



Edge Milling Machine



JCO Pre Bending Machine



JCO Forming Machine



Pilger Mill



Mechanical Chain Cold Drawing Machine



Hydraulic Cold Drawing Machine



Pipe Body Expanding Machine



Automatic Packaging Machine



Automatic Stacking Machine



Slag Pouring Machine



Round Pipe Straightening Machine



Finishing Equipment

Design Office China : 4th Floor, Innovation Building, No.2 East Jinan Street, Taiyuan City, China

Design Office India : Plot No. 301, Sector 68, I.M.T, Faridabad, Haryana-121004, India

Mfg. Unit : K. No. 1061, Dhaulana Road, Tehsil Dhaulana, Hapur, Uttar Pradesh – 245301, India

Email: mktg@galliumholdings.co | Web: www.galliumgroup.co

Finishing Equipment

The finishing equipment is mainly used for precision machining of steel pipes, including round pipe straightening machines, square pipe straightening machines, hydrostatic testing machines, chamfering machines, pipe end expanding machines, pipe body expanding machines, weighing and measuring machines, marking machines, stacking and packaging machines, X-ray flaw detection machines, UT devices, etc. After being processed by these equipment, steel pipes will become qualified finished pipes.



Hydrostatic Testing Machine



Chamfering Machine



Round Tube Straightening Machine



Square Tube Straightening Machine



High Pressure Hydrostatic Testing Machine



Chamfering Machine



Pipe End Expanding Machine



Weld Seam Grinding Machine



Heavy Slitting Machine



Heavy Cross Cutting Machine



Big Diameter LSAW Pipe Mill



Small Diameter LSAW Pipe Mill



Precision Slitting Machine



Pipe Straightening Machine



Pipe Chamfering Machine



High Pressure Hydrostatic Testing Machine



COMPANY PROFILE

Design Office China : 4th Floor, Innovation Building, No.2 East Jinan Street, Taiyuan City, China

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COMPANY PROFILE:

Gallium HNGK is a manufacturing company for a complete set of steel pipe production lines/mills and can provide turnkey engineering according to customers' demands. Our products are sold to nearly 20 provinces and cities in China, and exported to Malaysia, Indonesia, Thailand, Poland, Uzbekistan, Russia, South Korea, Iran, and more.

MAIN PRODUCTS:

Seamless steel pipe production line

PQF three roll continuous rolling seamless pipe production line

Longitudinal submerged arc welded pipe production line

Straight seam high-frequency welded pipe (ERW) production line

Large diameter stainless steel pipe production line

Composite pipe (bimetallic) production line

Cold roll formed steel production line

Cold roll bend (steel sheet pile) production line

Slitting line

Cross cutting (shearing) line

Rectangle & square tube line with direct to square forming technology

Rectangle & square tube line with round to square forming technology

Spiral pipe production line

FEATURES:

1. Forming machine adjustment without roller replacement technology:

Adopts the world's most advanced forming machines, the rough forming machine can produce all specifications of steel pipes without the need for roller replacement, reducing roller replacement time, low failure rate, and high productivity.

2. Fully automated control:

Adopts advanced automated control systems and establishes a comprehensive database. When changing product specifications, simply select parameters such as the diameter, length, and wall thickness of the steel pipe in the system, and the rolling mill will automatically adjust to the correct position, reducing labor intensity and improving production efficiency.

3. Advanced quality management system:

Adopts an intelligent numbering and identification system, and exchanges information with the higher-level system in real time, so that all steel pipes are in a recognizable and manageable state, which is conducive to production management and improves finished product productivity.



340mm Continuous Rolling Seamless Pipe Production Line



273mm Seamless Pipe Mill



530mm ERW Pipe Mill



355mm ERW Pipe Mill



Stainless Steel Pipe Mill



Square-Rectangular Pipe Mill



Cold Roll Forming Machine For Steel Sheet Piles



SSAW Pipe Mill