

We make the best TUBE MILL Machine!



# STAINLESS STEEL PIPE MILLS AND ACCESSORIES

## WOOSUNG MACHINE INDUSTRIAL CO., LTD

A leading Korean maker and exporter of the stainless steel pipe mills and accessories since 2000 offering a wide range of equipment for production and processing of SUS pipes.

### Various production and processing solutions for stainless steel pipes:

- Stainless Tube mill
- TIG welding pipe mills
- Laser welding pipe mills
- Straightening machines
- Square forming machines
- Polishing machines
- Etc



American Systems Registrar, LLC, Wyoming, U.S.A. a provider of third-party system registration and accredited by the ANS-ACC National Accreditation Board stands that  
**WOOSUNG MACHINE INDUSTRIAL CO., LTD.**  
 17-6, SANGYA-DONG, GYEYANG-GU  
 INCHEON-CITY, SOUTH KOREA

with a scope of  
**DESIGN AND MANUFACTURE OF INDUSTRIAL MACHINERY**  
 (TUBE MILL, END FACING, POLISHING, STRAIGHTENING, ROLLER)

has established a quality management system that is in conformance with the International Quality System Standard

**ISO 9001:2008**

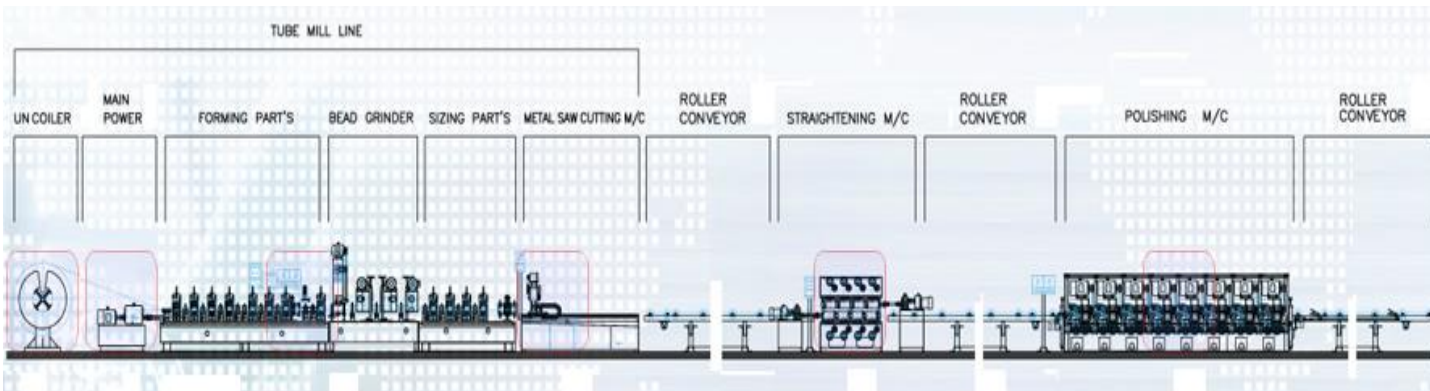
ASR Certificate Number: 2208  
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*Rohale Kwon*  
 President

**CERTIFICATE OF REGISTRATION**



### ➤ LINE FLOW VIEW



# TUBE MILL M/C

Tube mill line of Woosung Machine includes stainless and steel pipe manufacturing and our products have excellent features for better productivity of pipe companies.

## 1. Main control panel

The main control panel contains both tube mill and cutting machine for effective use of space and all operations can be controlled using P.L.C.

## 2. Operation panel

All operations of the tube mill can be easily handled automatically or with manual.

## 3. Cutting machine

Cutting length can be adjusted and encoder counter makes easy and fast length set up.

## 4. Low noise and vibration

It produces the best quality without vibration or noise of the machine even with high speed production.

## 5. Accurate tube mill and welding

Precise design and parts process make accurate tube mill and standard pipe.



## ○ Specifications

Model	WS-100	WS-200	WS-400	WS-500	비 고
Pipe Size	Ø12.7~Ø25.4	Ø31.8~Ø50.8	Ø63.5~Ø101.6	Ø127 ~	SUS
Wall Thickness	0.5~2.0mm	0.6~2.5mm	0.6~3.0mm	3.0mm	SUS
Line Length	Order Made				

# END FACING M/C

## METAL SAW CUTTING MACHINE

This machine implements effective and fine pipe cutting. Metal saw cutting blade is installed in the central axis of reduction gear box. It speeds down with oil pressure cylinder and cuts smoothly.

## BITE CUTTING M/C

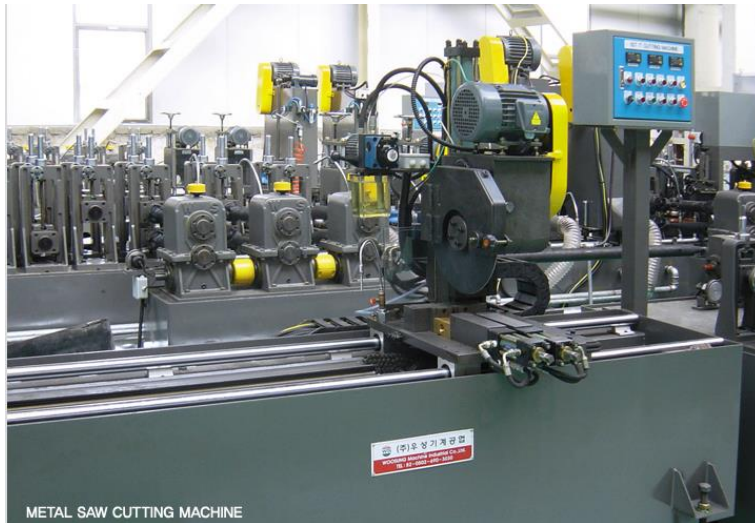
Different bites are installed at the head of main body for easy and quick pipe cutting. The first and second round bites are circulating with low speed around pipe's external diameter as axis and enters in order to make the lifespan if bite by minimizing heat generated from the bite.



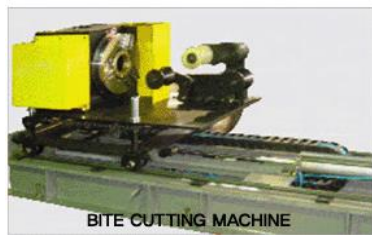
METAL SAW CUTTING MACHINE



BITE CUTTING MACHINE (8 INCH)



METAL SAW CUTTING MACHINE



BITE CUTTING MACHINE



BITE CUTTING MACHINE (4 INCH)

## Specifications

Model	WS-100	WS-200	WS-400	WS-500	비 고
Pipe Size	Ø12.7~Ø25.4	Ø31.8~Ø50.8	Ø63.5~Ø101.6	Ø127 ~	SUS
Wall Thickness	0.5~2.0mm	0.6~2.5mm	0.6~3.0mm	3.0mm	SUS
Line Length	Order Made				

# STRAIGHTENING M/C

Round pipe processed through tube mill has incomplete roundness and straight rate, so this is the process to correct them.  
 Straightener roll should be adjusted for left, right, top and bottom in accordance with pipe's external diameter.  
 When the pipe's external diameter is small, it has smaller contact degree.  
 When the pipe's external diameter is big, contact degree gets bigger.  
 Therefore, line speed is faster as the pipe's external diameter is smaller, and line.



STRAIGHTENING MACHINE (MODEL-1)



STRAIGHTENING MACHINE / 6 INCH (MODEL-2)



STRAIGHTENING MACHINE (MODEL-3)

## Specifications

Model	WS-100	WS-200	WS-400	WS-500	비 고
Pipe Size	Ø12.7~Ø25.4	Ø31.8~Ø50.8	Ø63.5~Ø101.6	Ø127 ~	SUS
Wall Thickness	0.5~2.0mm	0.6~2.5mm	0.6~3.0mm	3.0mm	SUS
Line Length	Order Made				

# POLISHING M/C

This is automatically grinds exterior of pipe. Polishing and buff grinding stone or wheel paper are used at each grinding head. It is also constituted with roller that transfers and supports work. Different grinding materials are installed at the head of main body for rough, medium, and buffing processes. It is constituted with the three most important elements of grinding such as grinding abrasant (belt or wheel paper), transfer roller, and supporting rubber roller. In particular, abrasive has many variables in accordance with martial condition, so selection of abrasant is the most important matter.



## Specifications

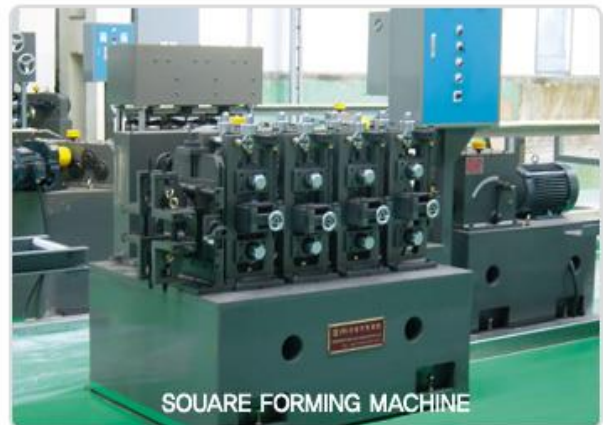
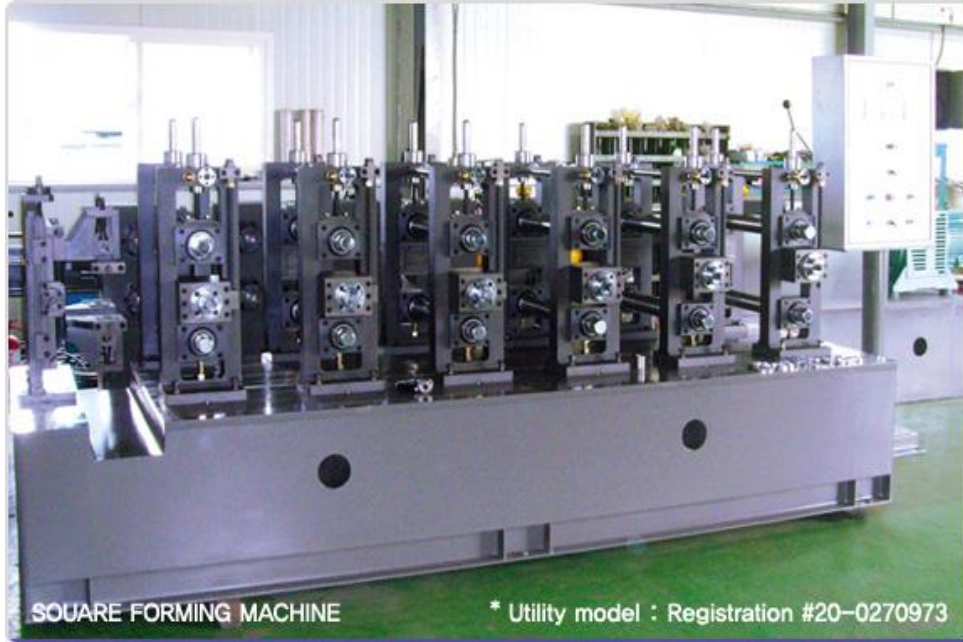
Model	WS-100	WS-200	WS-400	WS-500	비 고
Pipe Size	Ø12.7~Ø25.4	Ø31.8~Ø50.8	Ø63.5~Ø101.6	Ø127 ~	SUS
Wall Thickness	0.5~2.0mm	0.6~2.5mm	0.6~3.0mm	3.0mm	SUS
Line Length	Order Made				

# SQUARE FORMING M/C

## Square pipe maker

This machine forms round pipe processed through tube mill, straightener, and grinder to be rectangular pipe.

Roll replacement for top roll or bottom roll are needed sometimes, but only side roll replacement is necessary for small rectangular pipe in the small size and medium rectangular pipe in medium size for easier and accurate work.



## Specifications

Model	WS-100	WS-200	WS-400	WS-500	비 고
Pipe Size	10~30mm	10~70mm	10~100mm	40~150mm	SUS
Wall Thickness	0.5~2.0mm	0.6~2.5mm	0.6~3.0mm	3.0mm	SUS
Line Length	Oder Made				

# ROLLER

Special steel material (SKD11) is used to maintain heat process hardness and abrasion resistance. CAD design and CNC process are used for precise production and competitiveness with differentiated quality.



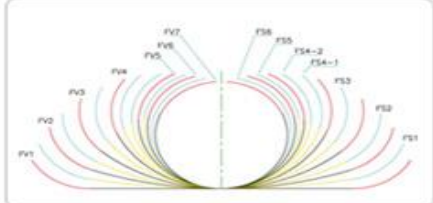
ROLLER BOX



TUBE MILL ROLLER

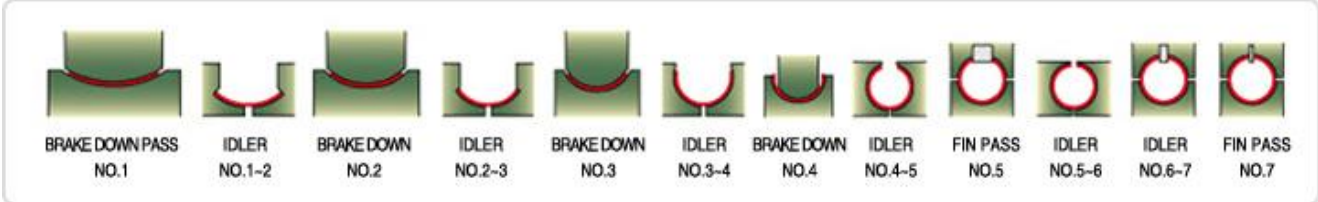


STRAIGHTENING ROLLER



ROLLER BOX

## Summary of Manufacturing Process



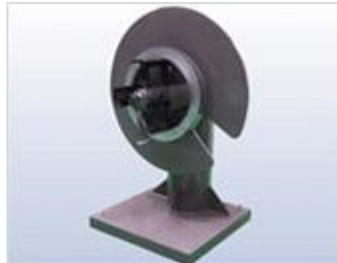




ROLLER CUTTING M/C



PNEUMATIC UNCOILER



MANUAL UNCOILER



BEAD GRINDER M/C



DRAWING CLEANER



HAIR LINE M/C



TUBE END FACING M/C



END FACING (300A) M/C



EDDYCURRENT TESTER M/C



EDDYCURRENT TESTER M/C

# WOOSUNG MACHINE INDUSTRIAL



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