

Contact your WEIDER sales engineer to see how our slitter, knives and spacers will benefit your company.



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**Innovative. Precise. Consistency. Reliability.**

Customized solutions of slitting and shear with measurable added value



# Attention to Detail, High Quality and Reliably Consistent



As one of leading manufactures of Slitting machine, slitter knives and accessories, WEIDER PRECISION IND.CO., LTD., offers the best customized solutions metal sheet cutting with measurable added value.



▲ WEIDER uses German SCHMETZ vacuum heat treatment technology

The foundation of our slitter and knife solutions is our knowledge of "slitting and shear" as well as our in-depth understanding of the requirements of various users.

Based on 40 years of field experience, WEIDER focuses its business on manufacturing of slitter and knife for cutting various coiled metal, such as coiled steel, aluminum, stainless steel, bronze nickel, titanium etc. The brand of "WEIDER" is well known for our attention to detail, high quality, and stringent QC procedures.

## Manufacturing process of Slitting Knives



Importing Steel Rod from Japan and Europe



Sawing off Steel Rod and Machining



Vacuum Heat Treatment



Grinding and Finishing



100% inspection



Packaging and Delivery

## Quality starts from high quality raw material

WEIDER's slitter knives are manufactured using state of the art materials and the latest technology and production techniques. We start with the highest quality European and Japan forged material, including SKD, SKH, tungsten steel as well as D2/M2 from Germany. Through vacuum harden and triple temper, then finish with machining, lapping and polishing, the best metal slitter knives are completed all production procedure.



## Consistent and reliably quality is our goal

WEIDER equips completed production facilities in-house. It allows us to produce knives featured flatness, parallelism, surface finish reached high precision tolerance requirement. We proceed with 100% inspection before shipping. Consistent and reliably quality is our goal.

Slitting machine and slitter knives can meet metal material supplier's requirement and cut various metal materials to meet customer's requirement.



# SLITTING MACHINE

Slitting machine is used to slit wide sheet materials into many narrow width strips. WEIDER's engineers develop slitting system based on point of view of users to fulfill the demand of customers. Three essentials guiding us to design slitter are promoting productivity, the ease of usability and seamless HMI, consistency and reliable quality. WEIDER's slitting machine use the rolling cut method to slit quickly. It uses the edge of up slitter and down slitter to cut fast. The cutting speed is 60M-150M/Min.

WEIDER's engineers have field experience and know the detail of cutting systems, we know how to develop the best tools for slitting systems that will be optimally integrated into the slitting and manufacturing processes. We also can make special width slitting machine for customer.

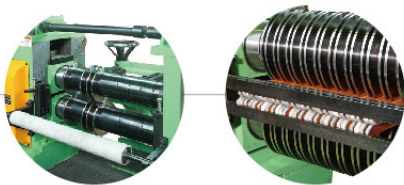
### Features :

- 1. Easy operation to meet high productivity demand
- 2. Made of Cr-Mo steel, the knife shaft is precisely manufactured after several heat treatments.
- 3. The knife shaft is manufactured in-house to ensure consistency and reliable quality.
- 4. Roller devices are installed in front and back end, thus reducing the surface damage of materials.
- 5. The ease of usability and seamless HMI



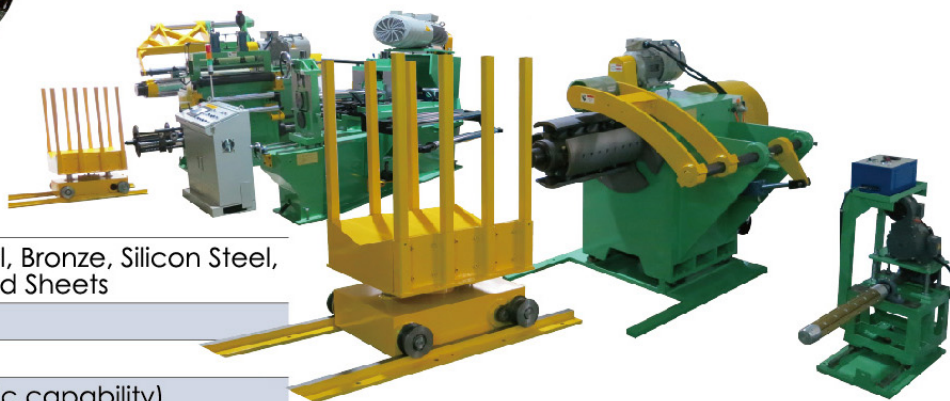
WDS-500A

Materials	Stainless Steel, Bronze, Silicon Steel, Various Coiled Sheets
Material Width	500m/m
Material Thickness	0.1~1.6 m/m
Material Weight	2000kgs (basic capability)
Speed	100 m/min up



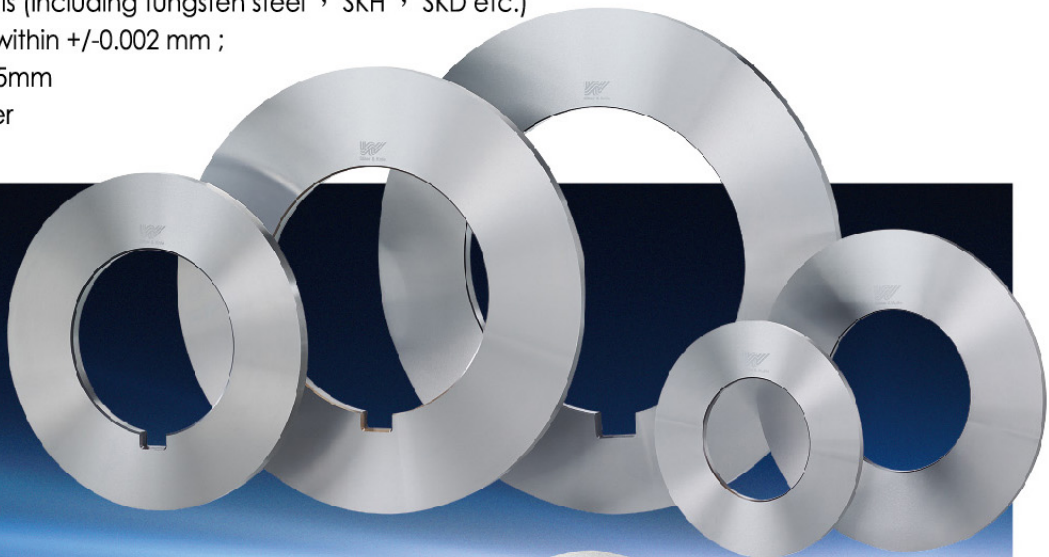
WDS-600

Materials	Stainless Steel, Bronze, Silicon Steel, Various Coiled Sheets
Material Width	615m/m
Material Thickness	0.1~1.6 m/m
Material Weight	2000kgs (basic capability)
Speed	100 m/min up



# SLITTER KNIFE

- Made of alloy tool steel
- Hardness and materials (including tungsten steel , SKH , SKD etc.)
- Tolerance : Thickness within +/-0.002 mm ; parallelism within 0.005mm
- Can be made-to-order

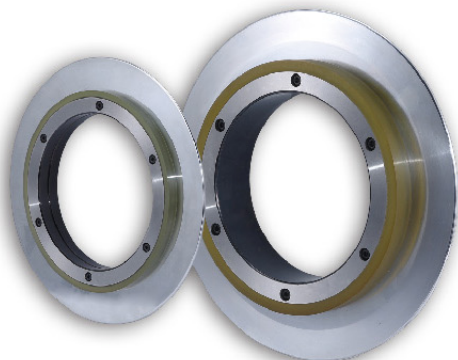


▼ Slitter Knife for Paper

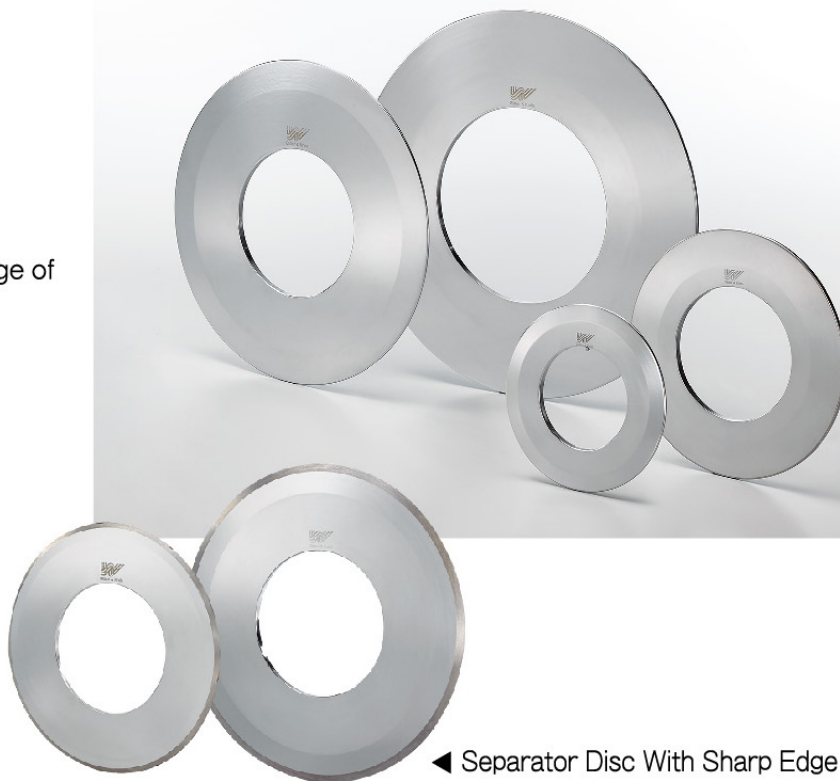


# SEPARATOR DISC

- Made of high-carbon and alloy steel
- With smooth ground surface.
- Hard-chrome finish can minimize damage of cut surfaces.



▲ Separator Disc With Rubber



◀ Separator Disc With Sharp Edge



## SPACER

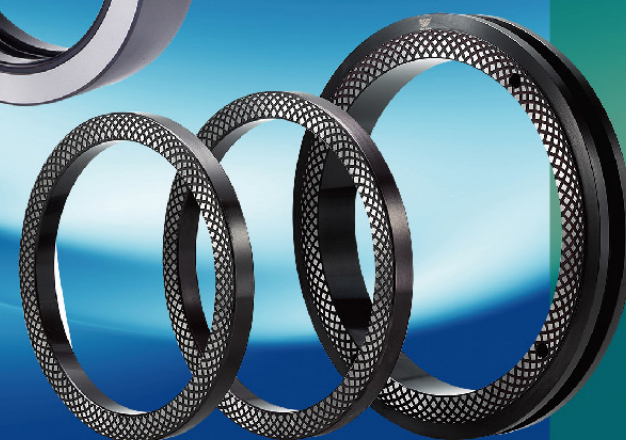
- Made of carbon and alloy steel
- High hardness
- High wear resistance
- Can be blackened to prevent rust
- Tolerance: Thickness with  $\pm 0.002$  mm

▼ Lightweight Spacer



## DOUBLE SHEAR BLADES

- Metal cutting tools
- Can be made-to-order
- Tolerance : Thickness within  $\pm 0.05$ mm

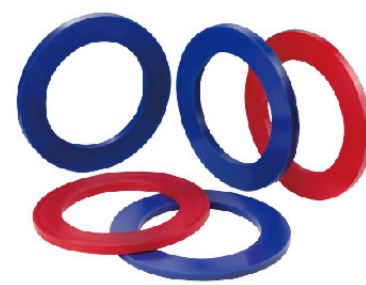


▲ Spacer for Automatic Knife Setting



## RUBBER SPACER

Made of carbon steel and alloy steel , outer wrapping - PU  
Can be made-to-order

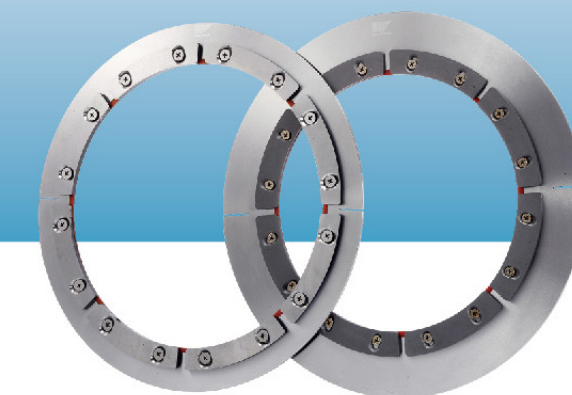
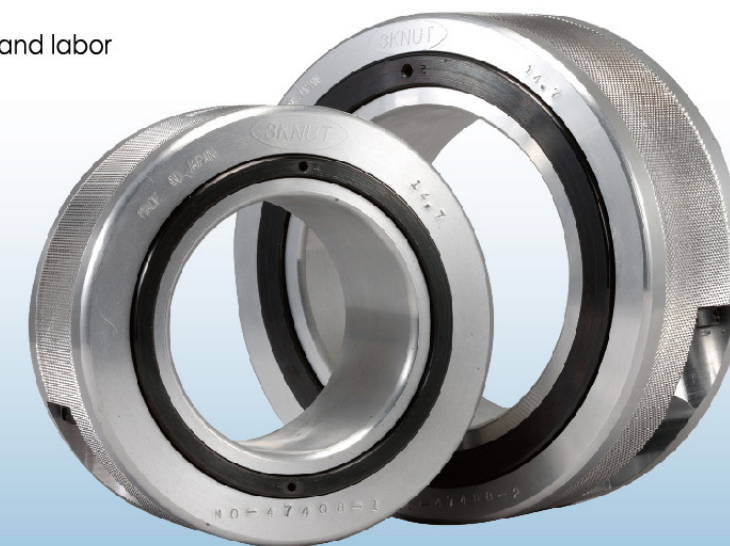


## RUBBER RING

Made of PU, injection molded; wear resistant, highly flexible; hardness and specs can be made-to-order.

## HYDRAULIC SPINDLE LOCK (MADE IN JAPAN)

- Made of Aluminum
- Light weight
- Stable axial force
- Good airtightness
- No oil leak
- Helps save time and labor



▲ Magnet Receiving Tray

## HYDRAULIC SPINDLE LOCK

- Precision-processed aluminum alloy housing.
- Pressure range: 80~300kg.
- Helps save time and labor.



Felt



Bakelite



Flannel