



Lanuss Deburring Machines

Metal Surface Deburring, Chamfering, Deslagging, Polishing, Descaling & Drawing

LSP Series

Universal Roller Deburring / Surface Drawing / Chamfering

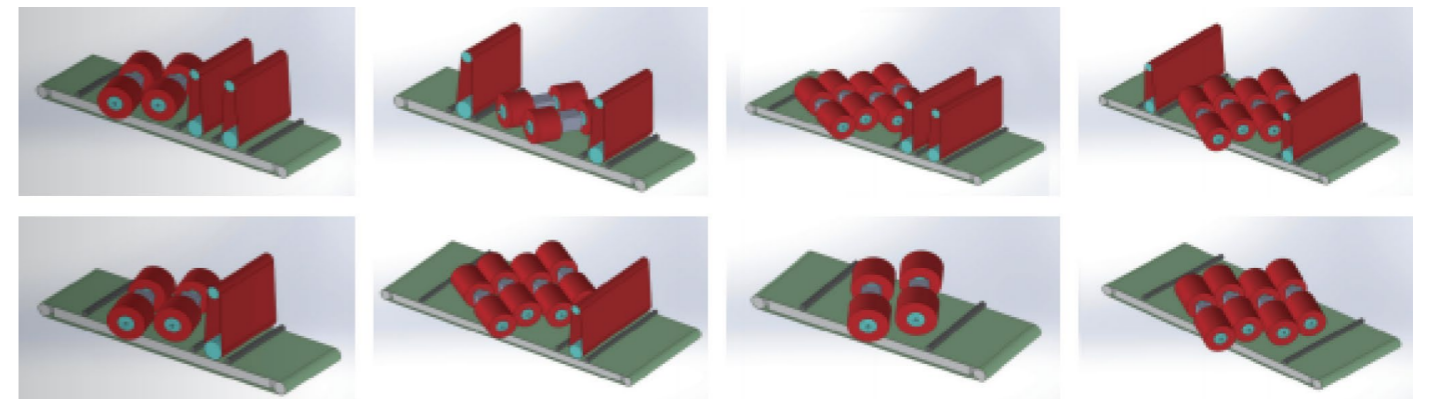


Equipment Configuration

- Processing width of equipment: 800mm, 1000mm, 1350mm, 1600mm
- Processing thickness of equipment: 0.5 - 100mm
- Feeding speed: 0.5 - 8 m/min (variable frequency adjustable)
- Optional feeding mode:
 1. Strong permanent magnet adsorption transport feed (suitable for carbon steel workpieces. Workpiece size $\geq 10\text{mm} \times 10\text{mm}$)
 2. Vacuum negative pressure adsorption conveying feeding (suitable for stainless steel plate, copper plate, aluminium plate etc.) is not magnetically adsorbed. Workpiece size $\geq 50\text{mm} \times 50\text{mm}$)
- Four-column synchronous lifting, rolling brush position independent lifting, lifting servo control, accuracy 0.01mm
- Machine NC PLC touch screen adjustment processing parameters
- Matching wet vacuum cleaner or industrial pulse vacuum cleaner to treat grinding dust, achieving a clean and safe production environment

Scope of Application

- Suitable for flat plate parts, carbon steel plates, stainless steel plates, aluminium plates, copper plates, aluminium alloy, all kinds of non-ferrous metals, rubber and plastic materials.
- Equipment functions: pre-grinding, drawing, polishing, scratching, deburring, chamfering etc. for use with laser cutting, shearing, punching, cutting and plasma cutting
- Equipment combination: wide abrasive belt + universal roller brush in a single or multiple combination structure



LSB Series

Slag Removal / Deburring / Chamfering for Plates of Medium Thickness

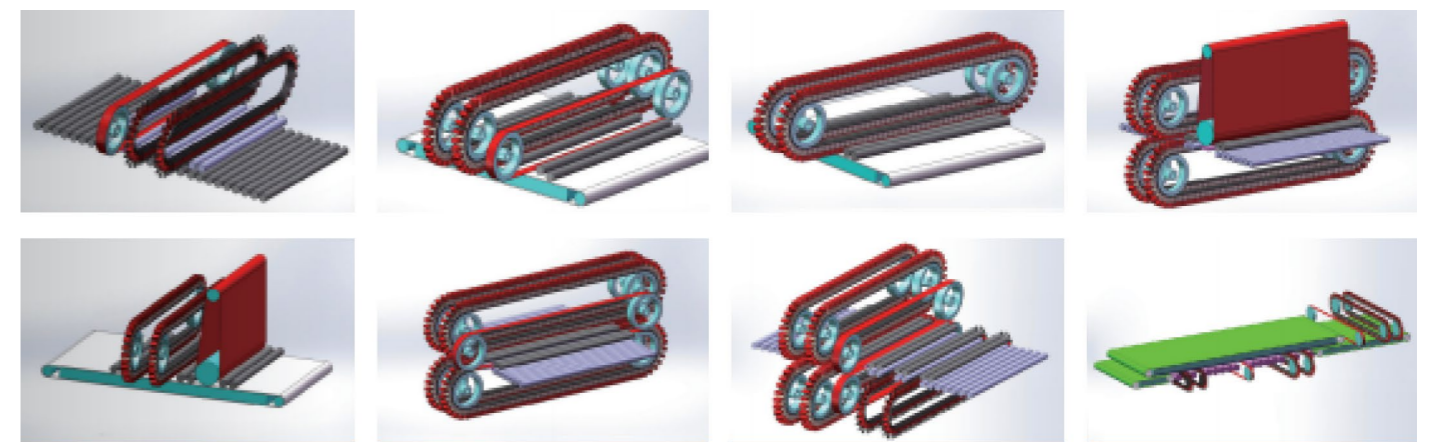


Equipment Configuration

- Processing width of equipment: 800mm, 1000mm, 1350mm, 1600mm, 2000mm, 2200mm
- Processing thickness of equipment: 1 - 100mm
- Feeding speed: 0.5 - 8 m/min (variable frequency adjustable)
- Optional feeding mode:
 1. Conveyor belt + rubber roller clip feeding (for ordinary workpieces. Workpiece length \geq 150mm)
 2. Strong permanent magnet adsorption conveying material for carbon steel workpieces. (Workpiece size \geq 10mm x 10mm)
 3. Vacuum negative pressure adsorption conveying feeding (suitable for stainless steel plate, copper plate, aluminium plate etc.) is not magnetically adsorbed. Workpiece size \geq 50mm x 50mm
- Rubber roller + rubber roller clip feeding

Scope of Application

LSB Series includes a wide/narrow sand belt and an abrasive belt (single or double-sided multi-station, combined grinding multi-function). The equipment can uniformly remove slag burr formed by laser cutting, shear cutting, plasma cutting, flame cutting, stamping cutting and other types of machining. Suitable for sheet metal surface pre-grinding, hole, edge corner deburring and surface drawing processes.



LSD Series

Fine Punching / Wet Deburring / Chamfering



Scope of Application

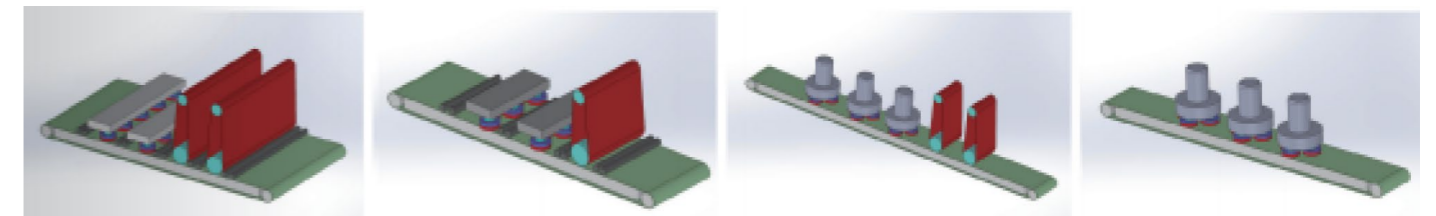
- Suitable for precision stamping parts, gear parts, auto parts, powder metallurgy parts and machine-added workpiece products
- Equipment function: workpiece edges, hole deburring and treatment, to make sure that the workpiece surface is consistent, ensuring all edge holes achieve a uniform R arc
- Equipment combination: single or multiple combination structures of abrasive belt grinding station + disk brush grinding station

Technical Parameters

Processing Thickness	Belt Linear Speed	Brush Speed	Disk Brush Rotation Speed	Brush Combined Swing Frequency	Feed Speed
1 - 100mm	18m/s	3000r/min	150r/min	120-280 times/min	0.5-6m/min

Equipment Configuration

- Processing width of equipment: 300mm, 400mm, 650mm, 1050mm, 1350mm
- 1. 300mm wide machine consists of three planetary arrangement brushes, single brush auto rotates and the whole brush combination revolves
- 2. 400mm wide machine consists of four planetary arrangement brushes, single brush auto rotates and the whole brush combination revolves
- 3. 650mm wide machine consists of five interlaced disk brushes, two adjacent disk brushes which rotate backwards and forwards, with the whole disk brush combination swinging horizontally in the vertical direction of the feed
- 4. 1050mm wide machine consists of seven interlaced disk brushes, two adjacent disk brushes which rotate backwards and forwards, with the whole disk brush combination swinging horizontally in the vertical direction of the feed
- 5. 1350mm wide machine consists of nine interlaced disk brushes, two adjacent disk brushes which rotate backwards and forwards, with the whole disk brush combination swinging horizontally in the vertical direction of the feed



Optional Feeding

- 1. Conveyor belt + rubber roller clip feeding (for ordinary workpieces. Workpiece length \geq 480mm)
- 2. Strong permanent magnet adsorption conveying material for carbon steel workpieces. (Workpiece size \geq 10mm x 10mm)
- 3. Vacuum negative pressure adsorption conveying feeding (suitable for stainless steel plate, copper plate, aluminium plate etc.) is not magnetically adsorbed. Workpiece size \geq 50mm x 50mm
- Four-column synchronous lifting, lifting height digital setting and reading (unit: mm)
- The equipment is supplied with grinding fluid by sprinkler pipes at each station. The magnetic adsorption outlet is equipped with a demagnetizing device to demagnetize the workpiece
- Automatic paper tape filter is used to filter grinding dust to provide grinding cycle grinding fluid to achieve a safe working environment

Advantages of wet processing:

1. Cold working of wet workpieces are not easily deformed by heat
2. Better surface roughness
3. Wet grinding dust absorption creates a safer working environment
4. A longer service life of wet processing consumables

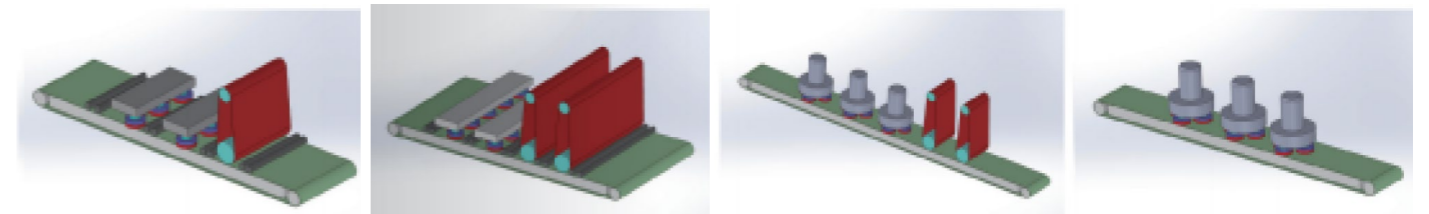
LSD Series

Dry Deburring / Drawing / Polishing / Chamfering



Equipment Configuration

- Processing width of equipment: 300mm, 400mm, 650mm, 1050mm, 1350mm
- 1. 300mm wide machine consists of three planetary arrangement brushes, one of which rotates and the whole brush is rotated
- 2. 400mm wide machine consists of four planetary arrangement brushes, single disk brush rotates and the whole disk brush group rotates
- 3. 650mm wide machine consists of five interlaced disk brushes, two adjacent disk brushes which rotate backwards and forwards, with the whole disk brush combination swinging horizontally in the vertical direction of the feed
- 4. 1050mm wide machine consists of seven interlaced disk brushes, two adjacent disk brushes which rotate backwards and forwards, with the whole disk brush combination swinging horizontally in the vertical direction of the feed
- 5. 1350mm wide machine consists of nine interlaced disk brushes, two adjacent disk brushes which rotate backwards and forwards, with the whole disk brush combination swinging horizontally in the vertical direction of the feed



Scope of Application

- Suitable for precision stamping parts, gear parts, auto parts, powder metallurgy parts and machine-added workpiece products
- Equipment function: workpiece edges, hole deburring and treatment, to make sure that the workpiece surface is consistent, ensuring all edge holes achieve a uniform R arc
- Equipment combination: single or multiple combination structures of abrasive belt grinding station + disk brush grinding station

Optional Feeding

- 1. Conveyor belt + rubber roller clip feeding (for ordinary workpieces. Workpiece length \geq 480mm)
- 2. Strong permanent magnet adsorption conveying material for carbon steel workpieces. (Workpiece size \geq 10mm x 10mm)
- 3. Vacuum negative pressure adsorption conveying feeding (suitable for stainless steel plate, copper plate, aluminium plate etc.) is not magnetically adsorbed. Workpiece size \geq 50mm x 50mm
- Four-column synchronous lifting, lifting height digital setting and reading (unit: mm)
- The equipment is supplied with grinding fluid by sprinkler pipes at each station. The magnetic adsorption outlet is equipped with a demagnetizing device to demagnetize the workpiece
- Automatic paper tape filter is used to filter grinding dust to provide grinding cycle grinding fluid to achieve a safe working environment

Technical Parameters

Processing Thickness	Belt Linear Speed	Brush Speed	Disk Brush Rotation Speed	Brush Combined Swing Frequency	Feed Speed
1 - 100mm	18m/s	3000r/min	150r/min	120-280 times/min	0.5-6m/min

LSG Series

Wet Deburring / Drawing / Polishing

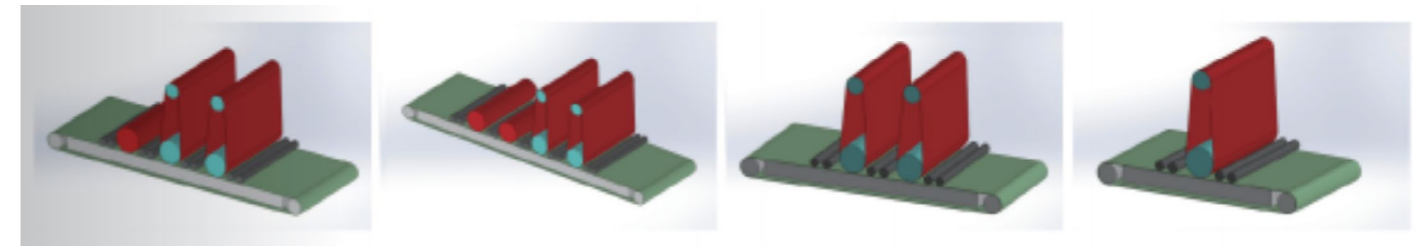


Equipment Configuration

- Processing width of equipment: 350mm, 650mm, 800mm, 1060mm, 1350mm, 1600mm, 1900mm, 2200mm
- Four-column synchronous lifting, lifting height digital setting and reading. (unit: mm)
- The machine is equipped with spray pipe to provide grinding fluid before and after each station, inlet and outlet water resistant roller to prevent grinding fluid spatter, outlet with upper and lower air knife cut water dry, with three groups of water extrusion roller water extrusion
- Automatic paper tape filter is used to filter grinding dust to provide grinding cycle grinding fluid to achieve a safe working environment

Advantages of wet processing:

1. Cold working of wet workpieces are not easily deformed by heat
2. Better surface roughness
3. Wet grinding dust absorption creates a safer working environment
4. A longer service life of wet processing consumables



Scope of Application

- Suitable for flat plate parts, carbon steel plate, stainless steel plate, aluminium plate, copper plate, titanium alloy, all kinds of non-ferrous metals, rubber and plastic materials and marble
- Equipment function: suitable for all kinds of flat plate parts surface drawing, polishing, scratch removal, removal of longitudinal burr, oxidation skin, hair, fixed thickness and other types of processing
- Equipment combination: single or multiple combination structure of sand belt + polishing wheel

Optional Feeding

1. Conveyor belt + rubber roller clip feeding (for ordinary workpieces. Workpiece length \geq 280mm)
2. Strong permanent magnet adsorption conveying material for carbon steel workpieces. (Workpiece size \geq 10mm x 10mm)
3. Vacuum negative pressure adsorption conveying feeding (suitable for stainless steel plate, copper plate, aluminium plate etc.) is not magnetically adsorbed. Workpiece size \geq 50mm x 50mm
4. Rubber roller + rubber roller are clamped to feed the material. Workpiece length \geq 280mm

Technical Parameters

Processing Thickness	Belt Linear Speed	Polishing Wheel Line Speed	Feed Speed
1 - 80mm	18m/s	20m/s	2-11m/min

LSG Series

Dry Deburring / Drawing / Polishing



Scope of Application

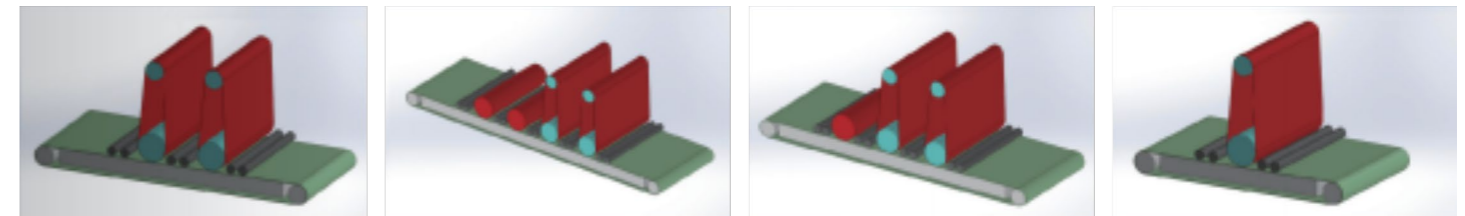
- Suitable for flat plate parts, carbon steel plate, stainless steel plate, aluminium plate, copper plate, titanium alloy, all kinds of non-ferrous metals, rubber and plastic materials and marble
- Equipment function: suitable for all kinds of flat plate parts surface drawing, polishing, scratch removal, removal of longitudinal burr, oxidation skin, hair, fixed thickness and other types of processing
- Equipment combination: single or multiple combination structure of sand belt + polishing wheel

Technical Parameters

Processing Thickness	Belt Linear Speed	Polishing Wheel Line Speed	Feed Speed
1 - 80mm	18m/s	20m/s	2-11m/min

Equipment Configuration

- Processing width of equipment: 350mm, 650mm, 800mm, 1060mm, 1350mm, 1600mm, 1900mm, 2200mm
- Four-column synchronous lifting, lifting height digital setting and reading. (unit: mm)
- Equipped with a wet vacuum or industrial pulse vacuum to treat grinding dust and achieve a safe working environment



Optional Feeding

1. Conveyor belt + rubber roller clip feeding (for ordinary workpieces. Workpiece length \geq 280mm)
2. Strong permanent magnet adsorption conveying material for carbon steel workpieces. (Workpiece size \geq 10mm x 10mm)
3. Vacuum negative pressure adsorption conveying feeding (suitable for stainless steel plate, copper plate, aluminium plate etc.) is not magnetically adsorbed. Workpiece size \geq 50mm x 50mm
4. Rubber roller + rubber roller are clamped to feed the material. Workpiece length \geq 280mm

LSG Series

Dry Deburring / Drawing / Polishing



Scope of Application

This model is combined by the work bench and mechanical polishing arm, suitable for small batches of metal plate surface polishing, melting slag, deburring and other treatment. The machine is very easy to use, and only gently depresses the manpower to achieve the required grinding strength. The automatic vacuum adsorption workbench automatically distributes vacuum suction.

The workpiece should only be placed flat on the workbench and grinding without any clamp, efficiency, and safety. Different disc brushes can be selected according to the actual work pieces to achieve the ideal effect. The machine has its own vacuum absorption function, automatically absorbs off the grinding pieces, protect the health of workers, clean workshop. One power two grinding head configuration, which can rotate 180 degrees can quickly transform the grinding head, efficient and convenient, safe and energy saving.

Processing Products

Carbon steel, stainless steel, aluminum, copper, and all kinds of non-ferrous metals

Technical Parameters

Size of vacuum adsorption platform	300 x 300mm
Upper platform workpiece	1000 x 750mm
No platform artifacts	1400 x 1400mm
Cantilever operation range	1400mm x 360°
Process workpiece thickness range	1-150 mm
Grinding head power	0.75 kW
Grinding head quantity	2
Vacuum air volume	1000 m ³ /h
Total power	3.86 kW
Size	1250 x 750 x 1500 mm

Industrial Pulse Cleaner



Scope of Application

The equipment is mainly used to deal with grinding dust and smoke. The dry type industrial vacuum cleaner adopts a suction fan or a high pressure fan, making it an ideal solution for creating a safe and clean working environment.

Automatic Tape Filter



Scope of Application

The Automatic Tape Filter is used to provide wet grinding consumables with grinding fluid, which filters grinding dust to achieve a safe working environment.

Application Examples



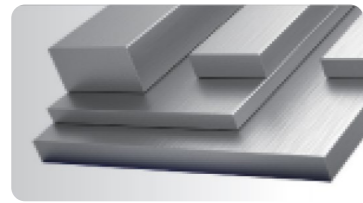
Brushed Stainless Steel



Measuring Tools



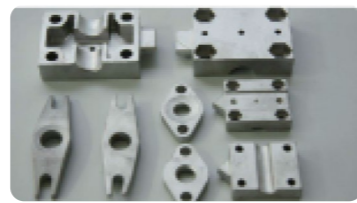
Brushed Aluminium Sheets



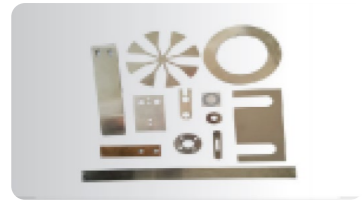
Aluminium Alloy



Cast Iron



Precision Casting



Stamping



Precision Stamping



Fraction Plates



Flame Cutting



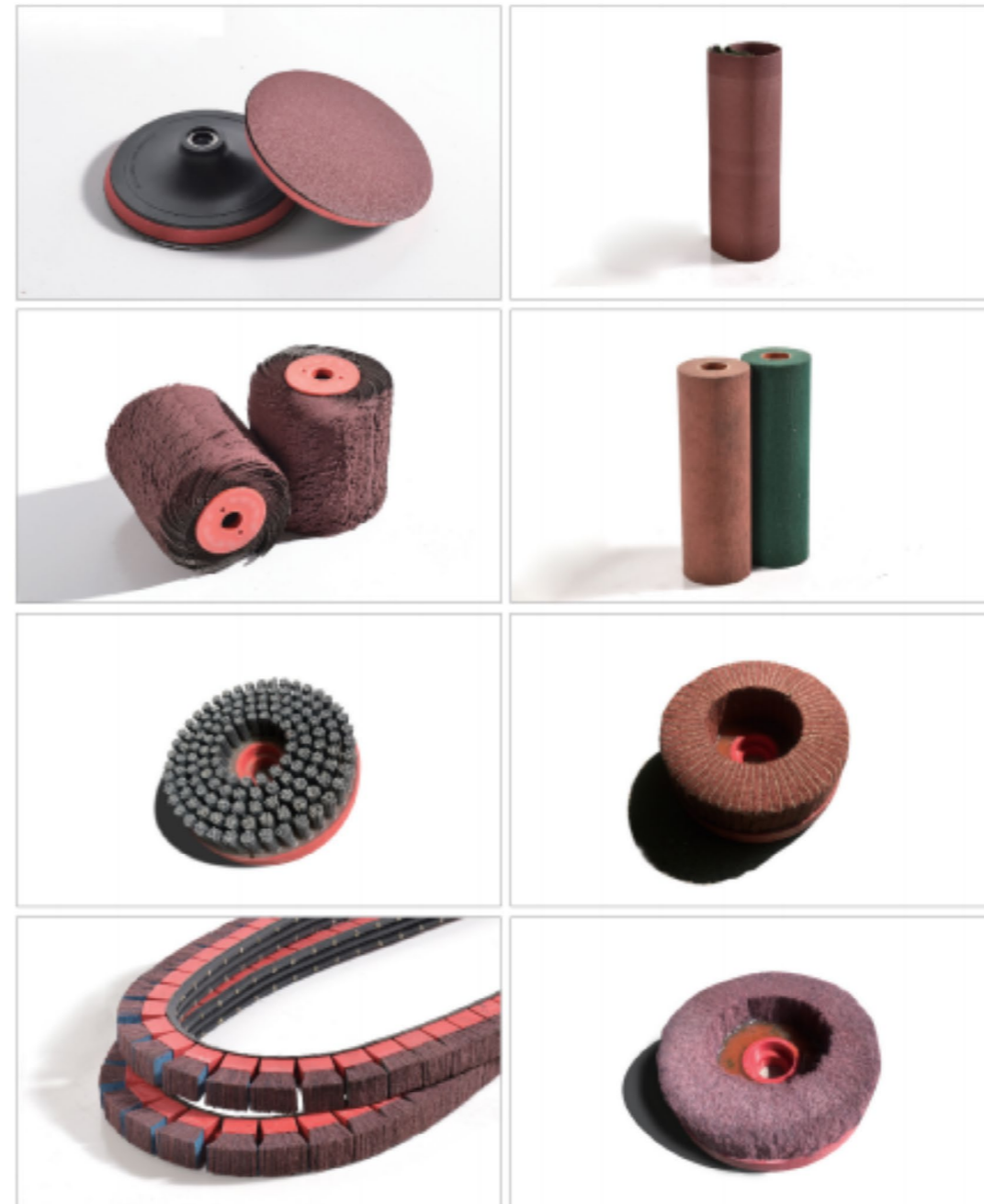
Laser Cutting



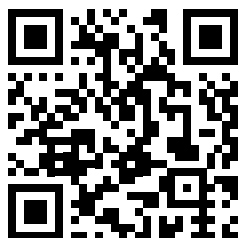
Custom Shapes

Grinding Consumables

- Sand belt
- Polishing wheel / drawing wheel brush disc
- Abrasive belt
- Universal rolling brush



LASER MACHINES



www.lasermachines.com.au

1300 561 963

Factory 17 / 116 - 118 Abbott Rd,
Hallam, VIC 3803