Engimech Technology

www.engimechtech.com

Engimech Technology is the sister concern of RK Brush Mfg Co, we are known to be one of the finest manufacturers, suppliers and exporter of all kinds of industrial brushes and a diverse & impeccable range of Machines and Industrial equipment's. The offered range is made up of premium quality products like Brush Rollers, Tufted Roller Brushes, Cup Brush, twist knot brush, Circular wire Brush, welds and flat cleaning brushes, buffing brush, deburring brush, metal polishing and finishing brush,.

CONTENTS

1. Business Overview

Company Name: **Engimech Technology**

Nature of business: Industrial Brushes/Industrial components/ Machines

Business Location: Bahadurgarh,Haryana, India

Legal status of firm: Partnership Firm

GST number: **06AAFFE8228B1ZR**

Owner: Ishant Saini

Financial advisors: S K Kalsi & associates

Bankers: Indian overseas Bank

2. Business Background

Engimech Technology is the sister concern of RK Brush Mfg Co, we Engimech Technology are known to be one of the finest manufacturers, suppliers and exporters of a diverse and impeccable range of all kinds of industrial Bruhes. The offered range is made up of premium quality products like Brush Rollers,Strip Brush, Tufted Roller Brush, Cup Brush, Twist knot Brush, Circular Wire Brush, Welds and Flat cleaning Brush,Buffing Brush, Deburring Brush, Metal polishing and finishing brush

The brush Manufactured at our modern infrastructure facility, by our well trained professionals, employing the highest grade raw materials and progressive machines, these brushes are used for versatile industrial applications such as:- Deburring, Edge Reducing, Cleaning, Surface Finishing, Polishing, Buffing, Part Finishing and Cleaning for Ferrous and Non-Ferrous parts and many more. These are manufactured using the best variety of raw materials that are carefully procured from trustworthy vendors of the market.

We are dedicated to meeting customer requirement for standard and custom-designed industrial brushes. We are in business to satisfy our customer by delivery reliable brush products and application design service in a timely manner and at a competitive price. We maintain a reputation for high quality products and services by working to continually improve our process, prodcuts and performance and by maintaining good working

3. Ownership and Management

The business is owned and managed by Mr. HariGopal Saini, Mr Rishi Saini and Mr Ishant Saini who is running the business on full time basis and fulfils different responsibilities. Their profile is as follows:

1. **Harigopal Saini**
   Founder and owner of RK Brush Manufacturing Co

2. **Rishi Kumar Saini**
   Partner in RK Brush Manufacturing Co

3. **Ishant Saini**
   Owner of Engimech Technology

4. **Capabilities and Facilities**

Engimech Technology operates two manufacturing facility in bahadurgarh Haryana which includes customer service, sales, purchase, research and development with well experienced engineering. Our Facilities offer

- More than 400 square yards of combined operation space
- Latest brush manufacturing technology
- Quality control and R&D Team
- 1000 verities of Die and equipment's for customized brush
- Well maintained staff and organizational structure

5. WHAT WE DO…

INDUSTRIAL BRUSHES, Equipment's and Machines

As a manufacturer and supplier we specialize in comprehensive range of industrial wire brushes, custom Brushes, machines and industrial equipment's.

OUR PRODUCT PORTFOLIO INCLUDES:

1) Abrasive Brush
2) Strip Brush
3) Wheel brush
4) Roller brush
5) End brush
6) Cup brush
7) Twisted brush
8) Twist knot brush
9) Debarring brush
10) Power brush
11) Material handing brush
12) Customized brush and Many more

6. Business Description:

1. **Industrial Brushes or Power Brushes**
2. **Industrial Equipments**
3. **Machines and Machinery Parts**

SAFETY CONSIDERATIONS

Brush Usage Recommendations

Safety Information: Many Brush Manufacturers mark some safety warnings, recommendations and usage restrictions directly to the product. It is not always practical to include even the most limited safety information on the brush itself. Therefore, the operator must read, study, understand and comply to all instructions supplied in or on the product container as well as those marked on the product itself prior to brush use. The operator should also refer to the safety and operating information printed in the brush or power tool manufacturer's catalog, instruction manual and other literature.

Pressure: Avoid excessive pressure when using a power brush. Excessive pressure causes over-bending of the filaments and heat build-up resulting in filament breakage, rapid dulling and reduced brush life. Instead of greater pressure on a brush, it is suggested that you try:

1. A brush with a more aggressive cutting action

(increased wire size, decreased filament length, change to a different brush type, i.e. knot type

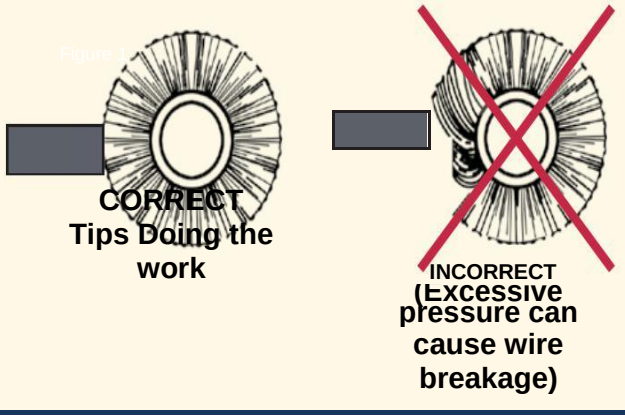
or

2. Higher speed (increased R.P.M., increased brush diameter)

Important Note: Never exceed the recommended MAXIMUM SAFE FREE SPEED R.P.M. (MSFS) rating of the brush. *(See Figure 1)*

Warning: In normal power brushing operations, the mate-rial being removed, such as burrs, scale, dirt, weld slag or other residue, will fly off the brush with considerable force along with brush filaments which break off due to fatigue.

1



The POTENTIAL OF SERIOUS INJURY EXISTS for both the brush operator and others in the work area (possible 50 feet or more feet from the brush). To protect against this hazard before rotating the brush, during rotation, and until rotation stops, operators and others in the area must wear safety goggles, full face shields and use protective clothing and equipment.

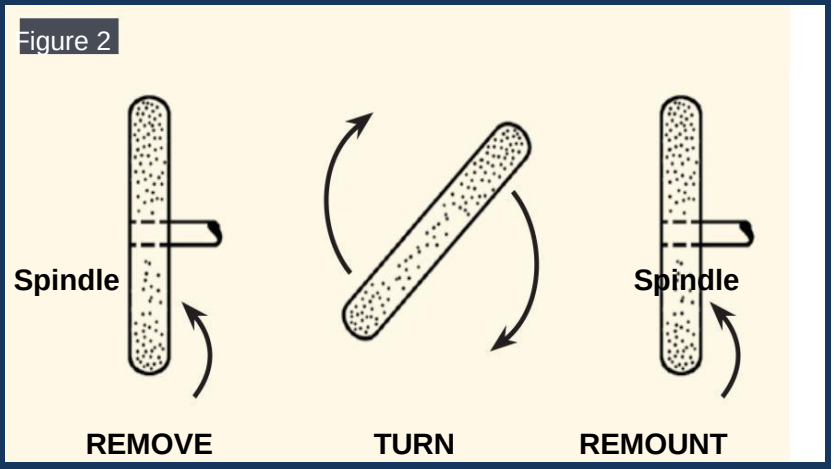
You must follow all operator and safety instructions, as well as all common safety practices which reduce the likelihood or severity of physical injury.

Inspection and Storage: Upon receipt, inspect brushes for damage, rust, and deterioration. Store in original containers in a clean, dry location. Do not allow distortion of brush filaments/components or foreign matter to become lodged in brush face.

Brushing Problems: DO NOT ALLOW UNSAFE OPERATIONS TO CONTINUE. Occasionally, due to worn bearings, a bent spindle, an unusual application, operator abuse or inappropriate use, a brush may fail. Do not continue to use a failed brush or one which is functioning improperly (i.e., throwing filaments, out of balance, etc.), as this increases the possibility for further brush failure and hazard of injury. The cause of the failure should be evaluated and corrected immediately.

Self-Sharpening: When using wire wheel brushes, periodically reverse the direction of rotation to take advantage of the self-sharpening action that will result. This may be accomplished by removing the brush from the spindle and turning it side-for-side and remounting securely. *(See Figure 2)*

Figure 2



7.2 ABRASIVE AND POWER BRUSH SAFETY REQUIREMENTS SUMMARY

Protective Equipment: Appropriate protective equipment (such as full face shields, respirator, etc.) must be used where a possibility of injury exists that can be prevented by such equipment.

Safety Goggles: Safety Goggles and Full Face Shields **MUST BE WORN** by all operators **AND OTHERS IN THE AREA** of power brush operations. Persons within 50 or more feet may be with in danger zone. Comply with the requirements of ANSI B165.1 “Safety Requirements–Power Brushes”. Also see ANSI B7.1 “Safety Requirements—For the Use, Care and Protection of Abrasive Wheels”.

Safety Gloves and Protective Clothing: Appropriate protective clothing must be used where there is a possibility of injury that can be prevented by such clothing. The use of safety gloves is recommended.

Guards: Keep all machine guards in place at all times.

Speeds: Observe all speed restrictions indicated on the brushes, containers, labels or printed

in pertinent literature. “MSFS” or “MAX.SFS” means Maximum Safe Free Speed (R.P.M.)-spinning free with no work applied: For reasons of safety, the “MSFS/MAX.SFS” should not be exceeded under any circumstances *(see ANSI 3.1.8 for more information).*

Dust and Fumes: Wear respiratory protection to avoid this hazard (see ANSI Z88.2).

Before Starting Brush: Use eye protection and safety equipment. Inspect brush for rust, damage, speed limit, etc. If no-load speed marked on the power tool is higher than the brush speed limit, do not mount brush. Inspect and jog machine to assure the brush is mounted properly and securely, machine guards are in place, no vibration, etc. Run machine at operating speed for at least one minute before applying work—**DO NOT STAND IN FRONT OF OR IN LINE WITH BRUSH.**

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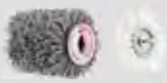
8.Choosing the Brush Shape

APPLICATION	STEEL	S/STEEL	NON FERROUS	WOOD	STONE
Edge Deburring and Radiusing					
Holes/Bores Deburring and Radiusing					
Weld Cleaning					
Descaling, Pickling, Coating and Rust Removal					
Aging, Forming, and Satining					
Cleaning and Polishing					

The brush shape is influenced by the mounting on the power tool or machine engine. Many brushes are manufactured with a threaded nut, plain bore or with a shaft depending on the tool, spindle-holder or mandrel they will be mounted on.

Choosing the Brush Size

Brush Outer Diameter influences peripheral speed. Generally the larger the OD the lower the number of rotations to obtain the surface removal job. So less time to do the same work. In order to improve the efficiency it's recommended to choose the biggest Outer Diameter possible consistent with the tool selected, the tool guards and the tool maximum safe speed.

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9Detailed Business Description

9.1 Power Brush

Power brushes are an essential component to removing burrs and sharp edges to effectively reduce safety hazards and improve performance and functionality of the work piece. These surface-conditioning brushes can be used in almost any type of environment and on many different types of surfaces including steel, glass, aluminum, and wood. we offers many types of power brushes including wire and abrasive copper center wheels, cup, end and conflare brushes to assist in industrial finishing processes.

Power brushes reduce time and cost considerations as they help reduce defects caused by material buildup, while efficiently polishing and finishing final products. There are many considerations when selecting a power brush and the configuration options and specifications are seemingly endless,

9.2 Abrasive Nylone Brushes

Nylon abrasive filament brush is an advance form of traditional brush which were using in a different applications. This brush is mainly use for a variety of industrial application including surface finishing, polishing, edge reducing, deburring, part finishing and cleaning for ferrous and non-ferrous parts

we are committed to providing a wide range of standard and custom design Abrasive brushes, capturing the versatility in size and filament properties of this product category.

Filament types include: silicon carbide, ceramic, aluminum oxide

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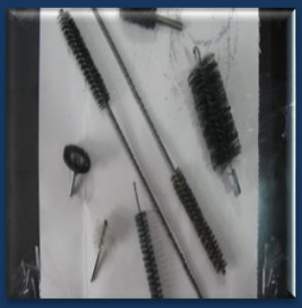
AB001

AB002



AB003

AB004

AB005

AB006

AB007

AB008

AB009

AB010

AB011

AB011

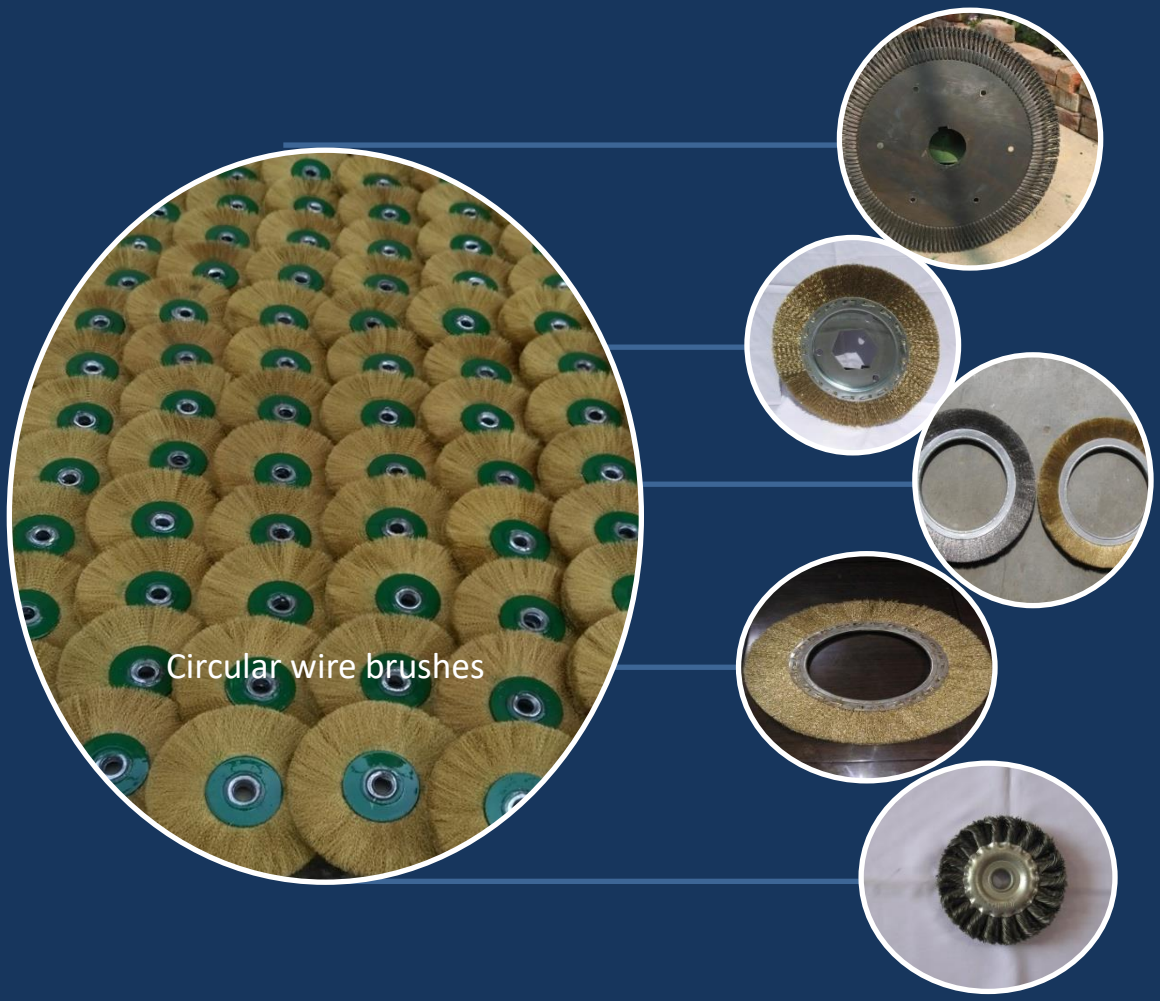
AB012

AB013

AB014

AB015

9.3 Wheel Brush



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BC Wire Buffing brush

wire Wheel brush

Brushes for Concrete Coating and Pipe Coating

Soft wire wheel brush

SS Wire Wheel Brush With Double keyway

Twist knot wheel brush(Small Size)

SS Wheel Brush

Twist knot wheel brush (Large Size)

Metal Sheets Cleaning Brush

Metal Sheets Cleaning Brush

Twist knot Brush-Narrow Face

BC Wire Wheel Brush

Spindle Mounted Wheel Brush

SS Wire Wheel Brush Keyway

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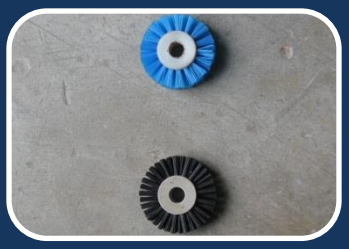
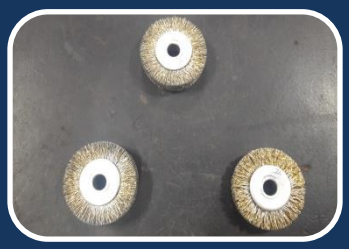
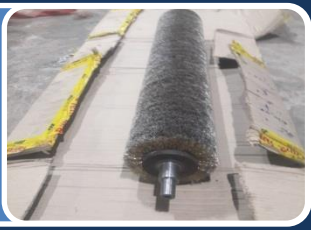


9.4 Roller Brush

Wire Buffing Roller Brush	
Nylone Roller Brush	
Deburring Roller Brush	
Abrasive Nylone Roller Brush	
Deburring Roller Brush	

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Brass wire roller brush

Abrasive nylone roller brush in tufting form

Concrete Coating and Pipe Coating RollerBrush

Brass Coated wire roller brush

Steel wire roller brush

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9.5 End Brush

End brushes are suitable for industrial cleaning applications where restricted space is an issue. Wire end brush applications include: cleaning castings, flash removal, polishing molds or dies, brushing the internal surfaces of holes, spot facing, and surface preparation for welding. Typical use involves a hand-held high speed air tool, electric drill, drill press, or robotic finishing. Our End brushes are available in a variety of crimped Form and twist knot Form in Steel wire, Stainless Steel wire,abrasive nylon, brass wire and brass coated wire and they are manufactured with the highest quality construction for smooth, efficient performance and long life.

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9.6 CUP BRUSH

Wire Cup brushes are mainly for addressing larger surface areas more efficiently than a wheel brush which use deburring and surface finishing, as well as the removal of rust, paint or scale.

Engimech Technology is committed to providing a wide range of standard and custom design Cup brushes, capturing the versatility in size with carbon steel, stainless steel, brass, or bronze wire in both crimped and twisted knot styles.We are in business to satisfy our customers by delivering reliable brush and application design services in a timely manner and at a competitive price. We maintain a reputation for high quality products and services by working to continually improve our processes, products, and performance, and by maintaining good working relationships with customers and suppliers.

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9.7 Twisted Brush

We are committed to providing a wide range of standard and custom design twisted brushes, capturing the versatility in size and filament properties of this product category. Twisted brushes, also known as spiral, tube Candensor or internal cleaning brushes, are an integral component in many manufacturing and clean environments due to their effective cleaning, deburring and finishing capabilities.

Manufacturing twisted brushes involves twisting filament material between stem wires and machining the brush to the desired specifications and finished stem end. This construction method allows the brush to be tailored for handheld use as well as for use in power drills, drill presses and CNC machines. We offer a full range of fill material for our twisted brush products including synthetics, abrasive nylon, wire and natural bristle. Common stem wire materials include stainless steel, Brass, Brass coated, Steel.

Below are the variety of Twisted brush which are using for different applications in industrial sector:-

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TB001

TB002

TB003

TB004

TB005

TB006

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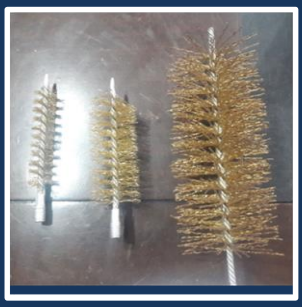
TB013



TB014

TB015

TB016

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TB017

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TB025

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TB030

TB031

TB032

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9.7 Twist Knot Brush

We are committed to providing a wide range of standard and custom design twist Knot brushes, capturing the versatility in size and wire properties of this product category.

Twist knot Brush

Twist knot Brush

Twist knot Brush

Twist knot Brush

Our USP

- More than 400 square yards of combined operation space
- Latest brush manufacturing technology
- Quality control and R&D Team

Engimech Technology

- 1000 verities of Die and equipment’s for customized brush
- Well maintained staff and organizational structure
- Giving Complete Solution by visiting the plants and understanding the application

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ENGIMECH TECHNOLOGY

Manufacturer and supplier of all kinds of industrial brush, machine and industrial equipments

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