



Explore Opportunity



VALGRO INDIA LIMITED
www.brushingmachine.com

VISION

- "Build the powerful and precise products to enrich beauty of all materials surface for every applications.
- Enabling business principles to advantage, inspire and implement performance driven solutions"
- Building the relationship with unparalleled customer experience.



MISSION

- Focus on new and innovative business ideas.
- Practice high ethical standards in business.
- Respect Employees, Customers, Investor, Suppliers
- Protect the environment.
- Meet the changing needs and desires of clients and consumers.



Goal

- The world most respected brand.
- Capture a bigger market share.
- Increase Number of customer.
- Increase Profit Margin through Improvement in efficiency.



Strength

- One roof solution : Consulting, Planning, Projection, Training.
- Asia's one of the largest brand
- Extensive work experience



Commitment

- To propel corporate growth through effective but responsible means.
- Delivering affordable results,
- No physical strain of your employees by unhealthy operation
- Reduce rework and increase productivity



Deburring

is important for Safety & Quality, Aesthetics, Functionality, and the smooth operation of working parts. Since even a small notch can cause moving parts to catch, creating the potential for accident, injury, or unnecessary delay in production. Rough edges can also cause injury when individuals are required to handle blanks. Each of these preventable problems can cost companies a great deal of money.

Our surface preparation abrasives brush manufacturing experience has allowed us to build deburring machine with all the necessary technical devices required to obtain a perfect finish from small parts to larger area



Deburring

The burr can vary when punching or laser cutting your materials. Burrs created via laser cutting and punching adhere to the material in various strengths. Therefore, finding a comprehensive deburring solution is crucial.



Edge rounding

A good edge rounding result is characterized by removing the sharpness on the edges of your laser-cut or punched materials. This prevents injuries that may be caused by handling the material, while simultaneously improving downstream processing. Furthermore, a radius at the edge of the materials also improves paint adhesion.



Oxide removal

If you are cutting via a CO₂-laser with oxygen, the **Classic Hybrid** can remove any oxide layers along the cutting edge of the material.



Slag removal

The slag on oxyfuel or plasma-cut parts has to be removed via hand grinding before the actual deburring process takes places. This is done to ensure a reliable and economical subsequent deburring process. Thanks to the machines offered by VALGRO INDIA, having to manually remove the slag is no longer necessary.



Micro Joint Removal

The traditional micro-joint method places small, interconnecting tabs between parts by programming the spacing of the slitting punch to leave material unpunched. These burrs may also cause serious injury if not removed.



Surface finish

Punched and laser-cut parts often require high demands on the surface. A beautiful surface is a pleasant side effect of the deburring process. In some cases, a specific type of surface finish could be necessary.



Line Grain Finish

Most common finish for stainless steel sheet metal parts with various abrasives belt grinding or brush polishing operation.



Non-directional Finish

Non-directional finish also known as random-orbit finish or Vibration Finish, very popular among architects, Non-directional finish has low reflectivity. Non-directional orbit vibration finish is suitable for alloy sheet metal parts for better adhesions powder color coating.

Deburring Flat Parts

Ensure unparalleled brushing for processing Sheet metal industries.



Advantage compared to the traditional deburring process

- Higher productivity combined with superior part quality
- No physical strain of your employees by vibration or unhealthy position Compared to the traditional operation
- Employee do not have to suffer under flying spark, dust, dirt or noise



Before



After



Before



After



Applications

- Sheet metal Component
- Automotive Component
- Power Transmission
- Aerospace & Defense
- Satellite Component
- Aluminum Sheet metal Parts

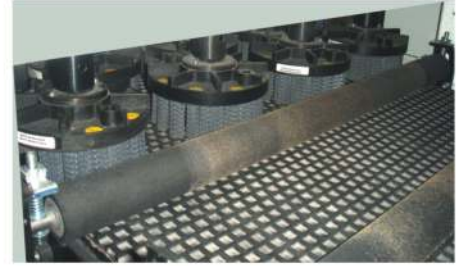
Features

- Simultaneous brushing effects
- Easy and safe operation
- Less space requirements
- No heat generation
- No deformation during deburring process
- Uniform and consistent surface finish each parts.



Deburring Flat Parts

Samarth Professional Series Deburring machine for Stainless Steel & Precise Metal Fabrication



Valgro-Hyzer deburring machine is meant especially for deburring and cleaning sharp corners, hole edge and irregular parameters from sheet metal components without damaging of the metal surface.

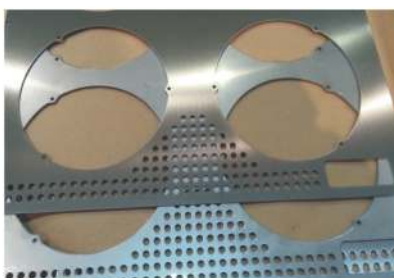
The burr can vary when punching or laser cutting your materials. Burrs created via laser cutting and punching adhere to the material in various strengths. Therefore, finding a comprehensive deburring solution is crucial.



PRO-HD Series	DB 24-2 BABY	DB 32-1 FS	DB 32-1 HD	DB 50-1HD
Brush Station System	Two station Dry Roller	Single station Dry Roller	Single station Dry Roller	Single Station Dry Roller
Total Dimensions In mm (H X W X L) @	1350 x 1650 x 950 mm	1460 H x 1900 W x 1050 mm L	1460 H x 1900 W x 1050 mm L	1460 H x 2500 W x 1050 mm L
Machine Weight @	1200 kg	1200 kg	1500 kg	2000 kg
Working width	610 mm	800 mm	800 mm	1250 mm
Sheet size (minimum) Length	200 mm	250 mm	400 mm	500 mm
Sheet thickness Min / Max	0.8 to 3 mm	0.8 to 3 mm	0.8 to 3 mm	0.8 to 3 mm
Brush Dimensions (Od x Width x ID)	125 mm x 610 mm	225 mm x 800 mm	300 mm x 800 mm	300 mm x 1250 mm
Brushing speed	Standard	Standard	Standard	Standard
Conveyor width	610 mm	810 mm	810 mm	1270 mm
Conveyor speed	Variable	Variable	Variable	Variable
Electrical parameter	110 - 230 V, 50 - 60 Hz	110 - 230 V, 50 - 60 Hz	110 - 230 V, 50 - 60 Hz	110 - 230 V, 50 - 60 Hz
Electrical mains	440 V, 50 - 60 Hz	440 V, 50 - 60 Hz	440 V, 50 - 60 Hz	440 V, 50 - 60 Hz

Before

After



Before

After



Before

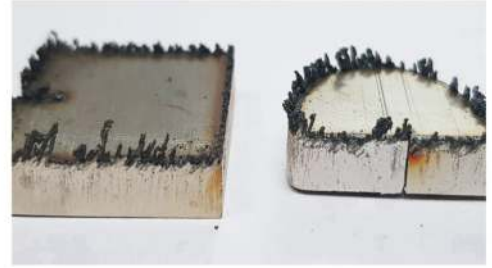
After



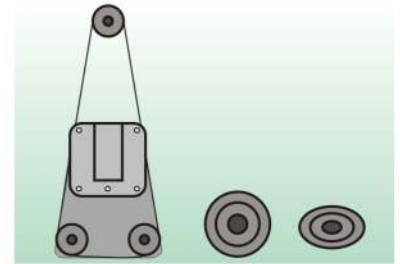
Deburring Laser cut, Turret & Press Punch parts burr removal Samarth Hybrid Series

Deburring + Surface Finishing + Edge rounding + Oxide removal,
Ideal for Inside + Outside Contours with Finishing

Material : Steel, Stainless steel, aluminum, copper, titanium sheet and many other types of metal.



Classic Hybrid Series Machine Specially designed to meet specific need of sheet metal processing in Edge rounding, Deburring and Surface Finishing. This is an automatic feed-tough machine with a conveyor belt, the machine will deburr and sand a radius to the sharp edge on cut out parts.



Classic Series Wide Belt + Brush Deburring and Edge rounding Technology
Valgro offer wide range of equipment and accessory allows unlimited personalized solution.

Specifications

Model "SAMARTH"	Hybrid 32	Hybrid 50	Hybrid 62
Number of Head	2/3	2/3	2/3
Head Types	Belt + Roller / Disc Brush	Belt + Roller / Disc Brush	Belt + Roller / Disc Brush
Working System	Auto Feed Belt Conveyor	Auto Feed Belt Conveyor	Auto Feed Belt Conveyor
Abrasive belt size mm	850 mm x 2200 mm	1300 mm x 2200 mm	1600 mm x 2200 mm
Brush Size	225 mm x 800 mm	225 mm x 1250 mm	225 mm x 1550 mm
Disc Size	150 mm	150 mm	150 mm
Working Width	800 mm	1250 mm	1550 mm
Working Thickness	1 mm - 100 mm	1 mm - 100 mm	1 mm - 100 mm
Working Width - Magnet Bed	100 mm	100 mm	100 mm
Working width - Vacuum Bed	200 mm	200 mm	200 mm
Table Opening	0 - 100 mm	0 - 100 mm	0 - 100 mm
Loading Capacity	150 Kg.	300 Kg.	500 Kg.
Conveyor Speed	0.5 to 10 mpm	0.5 to 10 mpm	0.5 to 10 mpm
Total Connecting Load	25 HP	33 HP	40 HP
Dust Collector Suggestion	DSC -3	DSC - 5	DSC - 7



Deburring of Press Punched parts.



Deburring of Laser-cut parts



Deburring of Plasma and Flam-cut parts.

Classic Series Advantage

- * Deburring and radius to the sharp edge on cut parts
- * Uniform fine grain finish on the all surface.
- * Deburring of all edges in one pass

Deburring

Edge Round Laser cut & Press Punch parts Samarth Classic Series



Deburring + Edge rounding + Oxide removal, Ideal for Inside + Outside Contours with edge rounding

Material : Steel, .

The Classic Series deburring machine suitable for sheet metal press punch part deburring and edge rounding at an affordable price. Valgro Classic series machine works with steel, stainless steel, aluminum & many other types of materials where need to be further coating.



Valgro Finishing Brush



Valgro Deburring Brush



Valgro Edge Rounding Brush



Specifications

Model "SAMARTH"	Classic 50	Classic 62
Number of Head	2/3	2/3
Head Types	Rotary Brush	Rotary Brush
Working System	Auto Feed Belt Conveyor	Auto Feed Belt Conveyor
Abrasive belt size mm	1300 mm x 2200 mm	1600 mm x 2200 mm
Roller Brush Size	300 mm x 1250	300 mm x 1550 mm
Disc Brush Size	150 mm / 400 mm	150 mm / 400 mm
Working Width	1250 mm	1550 mm
Working Thickness	1mm - 5 mm	1mm - 5mm
Working Length	100mm - 2000 mm	100mm - 2000 mm.
Loading Capacity	200 Kg.	200 Kg.
Conveyor Speed	0.5 to 10 mpm.	0.5 to 10 mpm.
Total Connecting Load	33 HP	40 HP
Dust Collector Suggestion	DSC - 5	DSC - 7

Deburring

Plasma & Flame-Cut parts

Valgro Karam Series

Deburring + Edge rounding + Oxide Removal + Slag Removal Ideal for Hot & cold rolled plasma, press punch and laser cut alloy metal parts

Valgro LBF KARAM Series machine was specifically designed to process deburring and edge rounding flat metal parts up to 100 mm thickness. Special conveyor belt is made for sanding very thick parts without damaging the belt.

This is an automatic feed-tough machine with a belt, the machine will deburr and send a radius to the sharp edge on cut out parts. This machine is made for uniform sanding on all edges, leaving a fine scratch pattern on the surface.



Optional Setup

- * Extra hammered head for slug removal and rough grinding
- * Single and Double sided operation in one pass.
- * conveyor & handling system, Automation, Custom solutions

Advantages Compared to Traditional treatment

- Does not suffer under flying spark by manual operation
- No physical strain to operator
- 60% time saving with faster operation
- Improve work environment
- Reduction of dust, dirt and Noise



Specifications

Model "KARAM"	Karam LBF 32	Karam LBF 50
Number of Head	2/3	2/3
Head Types	Belt + Roller / Disc Brush	Belt + Roller / Disc Brush
Working System	Auto Feed Belt Conveyor	Auto Feed Belt Conveyor
Abrasive belt size mm	125 mm x 4000 mm	125 mm x 4900 mm
Roller Brush Size	225 mm x 800 mm	225 mm x 1250 mm
Disc Brush Size	150 mm	150 mm
Working Width	50 mm - 800 mm	50 mm - 1250 mm
Working Thickness	3 mm - 100 mm	3 mm - 100 mm
Working Length	50 mm.	100 mm
Table Opening	0 - 100 mm	0 - 100 mm
Loading Capacity	150 Kg.	300 Kg.
Conveyor Speed	0.5 to 5 mpm.	0.5 to 5 mpm.
Total Connecting Load	13 HP	18 HP
Dust Collector Suggestion	DSC -3	DSC - 5



Deburring Micro Joints & Side edge Micro Joint Removal

The traditional micro-joint method places small, interconnecting tabs between parts by programming the spacing of the slitting punch to leave material unpunched. These burrs may also cause serious injury if not removed.

Advantage compared to the traditional deburring process

- Avoid unhealthy position compared to the traditional operation.
- No physical strain of your employees by vibration.
- Employee do not have to suffer under flying spark, dust, dirt or noise.
- Unskilled labor run this machine.
- Save money and time by less down time .



Features

The elastic type auxiliary roller in consideration of the corresponds to processing of a large work.

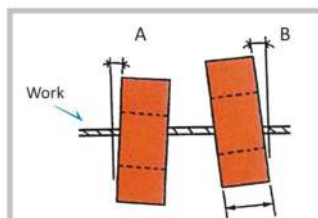
The independent spring support mechanism in which it corresponds to sheet thickness change flexibly.



Specification

Model : EDGE 11

Conveyor Speed	0.5mpm to 5mpm
Working length	300mm to 1000mm
Working Width	50mm to 500mm
Working Thickness	0.8mm to 3mm
Pass line Height	800mm
Deburring Wheel	150mm / 180mm
Power Supply	440V, 50 - 60 Hz
Gross Weight	850 Kg.



Deburring

End Edge Cut parts

Aluminium Extrusion profile, Tube,
Heat sink, Box and Section pipe



VALGRO end edge deburring systems increase your productivity by decreasing cycle times over hand deburring. Accurate brush penetration is maintained throughout each production run, leading to enhanced quality. Leads to elevate increasing operator safety.



Specifications

Model: "SAMARTH"	EED - 400
Number of Head	One
Head Types	Disc Brush
Deburring Brush size mm	450 mm x 65 mm x 50 mm
Working Width	150 mm x 150 mm
Brush Motor	2 HP
Feed Motor	1 HP
Working Height	185 mm
Machine Size	1510 x 1045 x 1060
Dust Collector Suggestion	DSC - 3

Advantage

- Avoid unhealthy deburring operation
- No physical strain to worker by vibration
- Employee do not suffer Flying spark, dust & Noise.
- Unskilled labour can run the machine
- Save money and time by faster & consistent production

Challenge: After saw cutting operation part ends need to be made burr free for handling and to downstream the operation.

Current process: Customer has been using abrasive nylon and wire brushes on a buffing stand, but results have been inconsistent and an increase in orders requires another method to be found.

Productive Benefits: Now Customer can easily handle the work, increase in production and at the same time has a manageable deburring process for extruded parts they manufacture.



Deburring

LBF Work Station For Sanding & Finishing

LBF Work Station



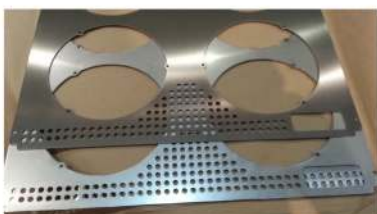
Ideal For Cabinets - Enclosure Panels, Fabrication, Home And Kitchen Appliance Industries. Flat Surface Of Big Dimensions, Finishing Of Sheet, Laser, Plasma And Waterjet Cut Parts, Square And Rectangle Tube, Flat Products, Tubular Structures, Corners, Edge Or Removing Welding From The Surface.

VALGRO long belt finishing machines have a flexible abrasive belt which enables finishing on flat surfaces of big dimensions.



Specifications

Model "SAMARTH"	LBF - WS 50 Eco	LBF - WS 50 Pro	LBF - WS 80 Pro
Number of Head	One	One	One
Head Types	Belt	Belt	Belt
Working System	Manual	Manual	Manual
Abrasive belt size mm	125 mm x 3800 mm	125 mm x 3800 mm	125 mm x 7025 mm
Belt Motor	2 HP	5 HP	7.25 HP
Table Up - Down	Manual	Auto	Auto
Table To N Form	Manual	Manual	Manual
Belt Change	Manual	Pneumatic - Quick Change	Pneumatic - Quick Change
Working Size (H x W x L)	300 mm x 1200 mm x 900 mm	300 mm x 1200 mm x 900 mm	300 mm x 1200 mm x 900 mm
Working Height	940 mm	940 mm	940 mm
Machine Size (H x W x L)	1250 mm x 2100 mm x 1370 mm	1250 mm x 2100 mm x 1370 mm	1250 mm x 4000 mm x 1370 mm
Dust Collector Suggestion	DSC - 3	DSC - 3	DSC - 3



VALGRO-LBF machine is ideal for irregular shapes polishing as well as for weld removing. The flexible and adjustable table is useful when, big dimension of the materials to be worked, you cannot move the piece. move the table by motor and use the adaptability of the long belt together with several grinding tools to work the areas you need.

VALGRO-LBF machines are available with different working width, with single and double abrasive belt or Belt and Scotch abrasives roller Brush for Matt and Satin finishing.

WORLD WIDE PRESENTS



Australia



Bahrain



Canada



India



Kuwait



Malaysia



Morocco



Oman



Poland



Qatar



Russia



Saudi Arabia



Thailand



Turkey



UAE



USA



Vietnam



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