



DAUJI ENGINEERING LIMITED

ADVANCED FILTER TECHNOLOGY



Design, Engineering & Manufacturing Expertise

WELCOME TO DAUJI ENGINEERING – the one-stop solution provider for all your filtration needs. We offer you a complete range of filter manufacturing equipment, filter flanges and components, sourced and manufactured in India.

World Class Quality

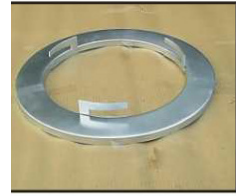
All components and materials are subject to rigorous inspection, adhering to prescribed standards at every stage. Our experienced engineering and inspection team ensure the consistency and high quality that have enabled to **DAUJI** products to build up an excellent reputation for quality and performance internationally.

Service and Support – Customer First

With Sales Support provided by local associates across four continents, **DAUJI** products give you the best value for Money, doorstep service, without any compromise on quality.

FILTER FLANGES (END CAPS)

DAUJI provide a comprehensive range of filter end-caps to suit a very wide variety of standard and non-standard filters. End Caps with unusual profile are our specialty, which can be used in different application areas. For custom End-caps, we specialize in quickly developing Dies/Press Tools and Moulds for End Caps of any unusual and non-standard profiles specific to any particular customer requirement /application areas.



Metal End caps are available for a wide variety of dust collector cartridges - we have developed end caps for Nedermann caps, Oval caps, RD series caps, Tenkay and also of non-standard design which have been developed as per customer specific requirements. Metal end caps come in a variety of metal grades and finish like CRCA, St/Steel – 304 & 316, Aluminium & GPSP.

Plastic End Caps have good strength, chemical resistance and can easily work upto a temperature of 120°C. For service temperature higher than 120°C, special grades of plastic end caps have been developed. We can supplied plastic end caps in a very high quality finish in a variety of composites: Glass-Filled Nylon, PP, ABS and HIPS.



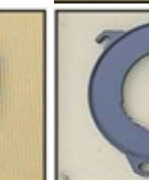
Aluminium End Caps are supplied generally in LM6 alloys and are either gravity die casted or pressure die casted. They are supplied with 3 or 4 lugs in both standard and specific customer design requirement.



Conductive Plastic End Caps have surface resistivity between 10^6 ohms/sq to 10^9 ohms/sq. Conductive and anti-static caps are composed of conductive additives with insulating thermoplastic base resins like ABS, Glass Filled nylon and other.



Special Design End Caps supplied to customers drawings & designs are available which are not economical to produce by press operation and are custom designed.



FILTER COMPONENTS

DAUJI is the single source for supply of a wide range of products for filters manufacturing. The applications range from rubber O-rings for small lubrication filters to multi – cavity plastic moulds for the static W- filters of Gas Turbine Filter have intake size filters for gas turbines.



Filter Cages

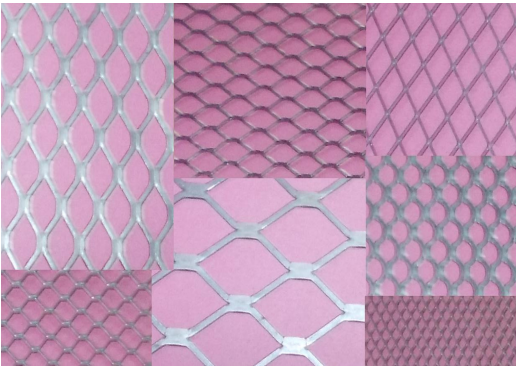


Wire Mesh and **Weld Mesh Cages** are available in rolls, sheets and rolled cages in all sizes and profiles in steel, brass, GI.

Perforated Paper are provided with punched or perforated holes with hole size ranging from 1mm to 10mm and can be used as filter outer wraps or filter shells.



Plastic Netting are generally made of polyethylene or polypropylene. It can be supplied in various colours as well as in different diameters, lengths and mesh sizes.

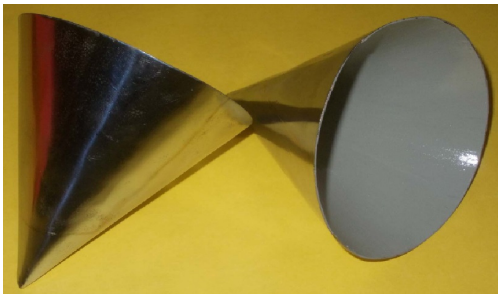


Expanded Metal Mesh and **Cages**, in a multiple range of aperture sizes, profiles, thickness and materials in Mild Steel, Galvanized Iron, Stainless Steel, and Aluminum; are produce to suit client specification in our in-house metal expander machines.

Perforated Sheet Mesh & Cages can be supplied, cut into sheets, blanks or wound into coils and in the form of rolled tubes, which are used as inner or outer support tubes and cages of cartridge filters.



Cones & Machined Parts



Cones distribute the pulse air more evenly through-out the filter for more effective cleaning and lower pressure drop. It is made from 1.0/1.5mm thick CRCA and can be supplied in zinc plated, power-coated or poly-urethane finish.

DAUJI can supply any size and profile of **Machined Parts**, suitable for specific filter or general requirements. These are also available in various finishes, and in cast aluminium, cast iron and cast stainless steels.



Seal & Gaskets

These can be supplied in various moulded profiles which fit on the circumference of filter end-caps in cross sectional profiles like Triangular, Square, Rectangular, Round, Oval or Flat. The materials of these seals and gaskets can be Natural Sponge Rubber, EPDM Rubber, Neoprene Rubber, Nitrile Rubber or high temperature Silicon Rubber, and even in anti-static grade materials.



Moulded Parts

Moulded parts of synthetic plastic material are being increasingly used in filter industry due to environmental need and **DAUJI** can offer these items in accordance with customer needs.



Moulded Parts for FMK cassette Filter and Compact Cell Filters

DAUJI has developed moulds for static W-frames and our products are available in ABS & HIPS. We can also develop and supply the static filters customized as per your drawing with your logo.



FMK Dust collectors are used for industrial process filtration and dust collection application and use Fabric built Pocket Cassette Filters which offer large filtration area and last longer than a Cartridge Filter.

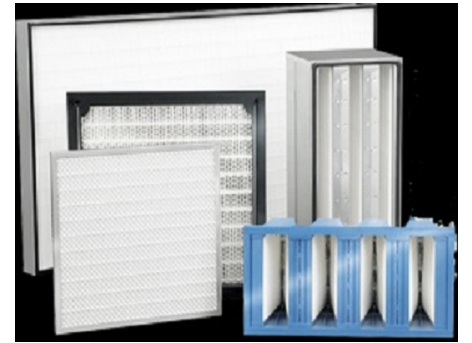


The flow of clean air and blast air inside these sieves is controlled through **Plastic Venturi Nozzles**. We make moulds and supply these Venturi Nozzles in various plastic grades like ABS, PP, Nylon, etc.



Plastic Frames for Air Filter Cells

These frames are available in various standard widths & different material types like PVC, ABS and are easily assembled together.



Pleat Locking / Holding Band

DAUJI can supply moulded band in plastic (ABS, Polypropylene, Nylon, HDPE), Cotton + Polyester and NOMEX in different standards & widths.

End Support Members of Panel Filter



These Support Members profiles can be supplied in Hard PVC; Teflon; Polypropylene; ABS or even in Glass Fiber Reinforced Plastics. We also source honed stainless steel tubing. The extruded profiles are provided cut-to-length as per the height of the Panel Filters.



Rubber Components

DAUJI offers a wide range of rubber components made in neoprene, silicon, EPDM and other synthetic materials. These moulded rubber components like Washers, O- Rings, Gaskets etc. are used in the filter industry for various applications in air and gas turbines, hydraulic, fuel, lube and oil filters.



FILTER TESTING EQUIPMENTS

DAUJI is a supplier of testing machines used for various purposes: To test the bonding strength of end caps with filter element, Life efficiency, Air flow capacity, Bursting strength of end caps with filter paper/elements, Dust holding capacity and other parameters of Air Filters as per ARAMCO and ASHRAE standard for industrial, automobile and dust filters.



Air Flow & Life Efficiency Testing Machine

DAUJI Air flow & Life efficiency testing machine is capable of testing both Automobile Air filters and Industrial Air filters. The testing capacity of air blower for automobile air filter is 200CFM and for industrial air filter is 3000 CFM. We can supply this machine with duly sized motors.



Filter End Cap Pull Testing Machine

DAUJI can supply testing machine to test the bonding strength of the End Caps with the filter element. It contains Double Needle Manual Dial Gauge to read out bonding strength.



Filter Paper Burst Testing Machine

DAUJI has a standard test apparatus for testing the bursting strength of the Filter Paper / Element.

FILTER MANUFACTURING EQUIPMENT



DAUJI is a specialist supplier of a wide range of machinery for manufacturing of air, oil and water filters. A multiplicity of options and accessories are available. All machines are available in manual, semi manual or fully automatic constructions.

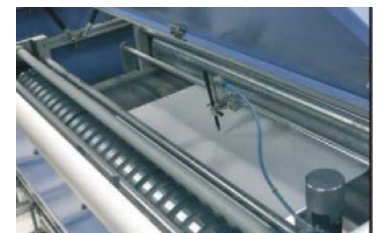
Filter Pleating Machines

Our **Blade Pleating Machines** have pleat depth ranging from 5mm to 150mm, and suitable for pleat widths of upto 3000mm.

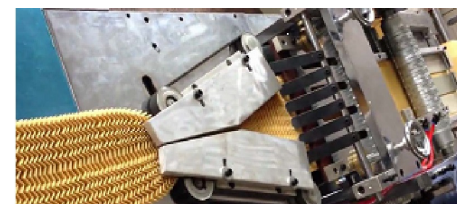


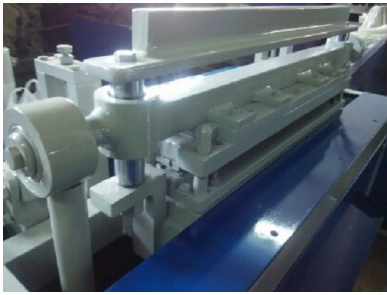
High Speed Pleat Locks Rotary Pleating

Machine (*Pleat-lock design and dimple forming machines*) are available which provide the flexibility of easily modifying pleat depth by using rollers of various diameters to suit customer preferences. **DAUJI** supplies specially designed.

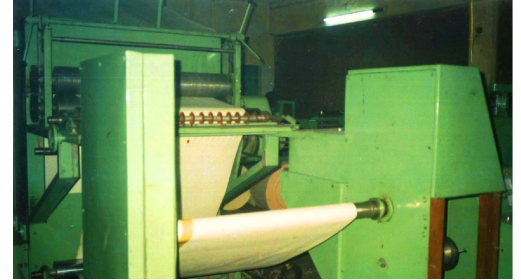


Zig Zag Rotary Pleating Machine to produce zig-zag type pleating of filter paper upto pleating depth from 15mm to 25mm and 400mm width.





Perforation & Expander Machines range of forming machines is available for making perforated & expanded sheets (in paper and metal). In addition to our standard profile range, we can supply customized machines for any special type of cage profile requirement.



Plant /Assembly Line Machines DAUJI manufactures and supplies the various plant/ assembly line machines for multi-station operations for filter paper coating and Impregnation plant and Conveyorized assembly line for GT Filters.



Baking Ovens can be supplied in different sizes based on width and length of the filter and as per the specific required applications of the customer, i.e. Box type laboratory oven, Box type tray dryer oven, Electrical conveyorised ovens.

Filter Bonding Machines are supplied to fulfill the specific requirement of customer for dispensing and filling of larger size filter caps, bind the filter media and seal the edges of a pleat pack after adhesive is poured over it.



Un-winders, In-line slitters, Cross Cutting machines, Re-winding machines, De-coiler, Media folding attachments, and Spacer insertion machines, are some of the optional accessories available on request.



Contact us:

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Working Hours

Mon – Fri: 09:00 AM – 5:30 PM
Sat: 09:00 AM – 2:00 PM