



MACHINE COLLECTION

Sustainable Purpose.

Thoughtful Design.

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ABOUT US

launched in 2018 in a small workspace in delhi ncr, carbon fusion is a green. initiative start-up that is run by a bunch of environmentalists. **we, at carbon fusion, try to combine our creativity and passion for environmentalism to work towards waste management and plastic recycling.** we manufacture plastic recycling machines such as shredders, extrusions, injections, sheet press, and more, that are available to be shipped to fellow environmentalists around the globe.

Carbon Fusion, in India, have also created a small market for products that are made with recycled plastics. one of our main usps would definitely be our ability to recycle multi-use plastic(mlps), for e.g. packets of chips, milk, etc. we have managed to build products such as park benches, tables, public dustbins, pots, planters, coasters, and many more. we've worked with Noida authority in the past and would be open to many more public collaborations where we get an opportunity to serve the people while also making the **planet greener!**

OUR VISION

we aim to create a plastic-free environment, our vision is to create a more sustainable future by reducing plastic waste and finding innovative ideas to repurpose plastic materials. to ensure that, we are offering some of the best plastic recycling machinery that can help recycling businesses across India and around the globe. ultimately, we have the vision to create a future in which plastic waste is no longer a problem and in which recycled plastic is a valuable and abundant resource.



SHEET PRESS SYSTEM

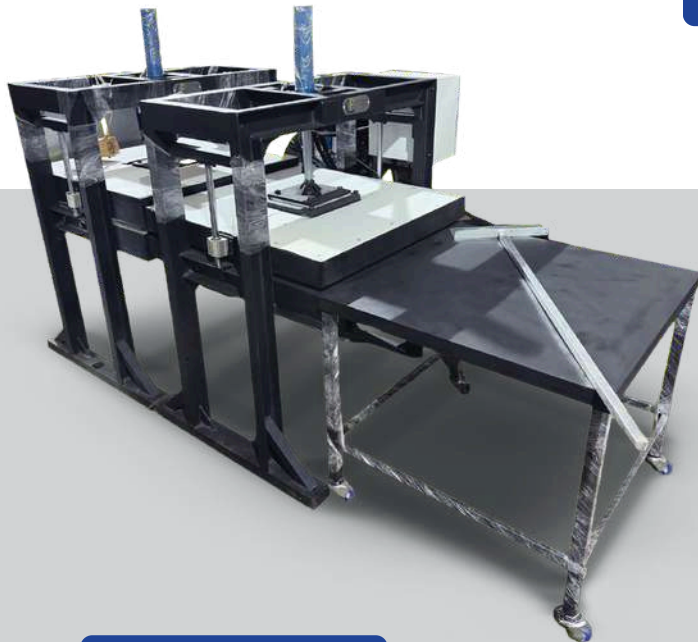
Redefining sheet pressing with advanced engineering and durable design. The Sheet Press System gives you consistent results, every single time.



1.5 x 1.5 Meter



600mm x 600mm



Custom Size Available



Sheets made from the machine

MACHINE SPECIFICATIONS



Category	30 x 30 Cm	60 x 60 Cm	120 x 120 Cm	150 x 150 Cm
Working area	400 x 400 x 120 mm	700 x 700 x 140 mm	1250 x 1250 x 250 mm	1500 x 1500 x 250 mm
Max sheet output size	300 x 300 x 30 mm	600 x 600 x 25 mm 8 mm	1150 x 1150 x 25 mm	1400 x 1400 x 25 mm
Aluminum plate thickness	8 mm	8 mm	8 mm	8 mm
Initial Power Load	2.5 Kw	7.5 Kw	15 Kw	20 Kw
Hydraulic System	Manual	Manual	Motorized	Motorized
Pressure	3 Tons.	5 Tons.	10 Tons.	10 Tons.
Power Supply	Single Phase 220V	Single/ Three Phase 220V/415V	Three Phase 415V	Three Phase 415V
Cold Press	Separate Machine	Included in the Machine	Included in the Machine	Included in the Machine
Temperature Controller	2 Nos (Multispan)	2 Nos (Multispan)	2 Nos (Multispan)	2 Nos (Multispan)
Machine size	350 x 350 x 20mm	900 x 900 x 1500mm	1400 x 1400 x 1800mm	1700 x 1700 x 1800mm
Output	24-30 sheet per day	16-22 sheet per day	15-20 sheet per day	14-18 sheet per day
Operating Area	3x6 Feet	3x6 Feet	10x10 Feet	

8 x 4 feet SHEET PRESS SYSTEM

Redefining sheet pressing with advanced engineering and durable design. The Sheet Press System gives you consistent results, every single time.



MACHINE SPECIFICATIONS

Working area	1250 x 2500 x 200 MM
Output sheet size	1150 x 2400 x 30 MM
Peak Load	50 Kw
Aluminium Plate Thickness	10 MM
Hydraulic System	20 Tones Automatic system
Cold Press	Separate unit with water cooling system
Temperature controller	PLC Based system
Capacity	6-8 Sheets per day
Operating area	20 Square feet
Power supply	3 Phase 415V



Sheets made from the machine

THE EXTRUDER

Engineered for efficiency, the Extruder transforms raw material into flawless results. Reliable, powerful, and designed to perform nonstop.



Industrial



Version 4



Version 3



Bricks made from the machine

MACHINE SPECIFICATIONS



Category	V3	V4	Industrial
Screw Size	25 x 500 mm	30 x 700 mm	65 x 1500 mm
Output	10 x 12 kg per hour	18 x 20 kg per hour	50 kg per hour
Motor (ABB, Crompton)	2 HP	3 HP	15 HP
Gearbox Ratio	20 : 1	10 : 1	18 : 1
Power Load	4 Kw	7 Kw	15 Kw
VFD (Speed Controller)	No	Yes	Yes
Max RPM	70 Rpm	100 Rpm	80 Rpm
Heating Zone	2 Zones	3 Zones	3 Zones
Power Supply	Single Phase	Three Phase	Three Phase
Heater Rating	600 Watt	1 Kw	1.8 kw
Operating Area	3 x 6 Feet	8 x 5 Feet	15-10 Feet



EXTRUDER PRO

SHREDDER PRO

Engineered for efficiency, the Extruder transforms raw material into flawless results. Reliable, powerful, and designed to perform nonstop.

MACHINE SPECIFICATIONS



Category	Version 3	Twin Shaft Shredder	Semi-Industrial Grinder
Shredder Box Material	Stainless Steel 304	Mild Steel EN 8	Mild Steel EN 8
Blade Size	100 mm	100 mm	400 mm
Motor (ABB, Crompton)	2 HP	5 HP	10 HP
Power Load	1.5 Kw	3.7 Kw	7.5 Kw
Power Supply	Single/ Three Phase 220V	Three Phase 415V	Three Phase 415V
Output	8- 10 kg per hour	20 - 30 kg per hour	60 - 80 kg per hour
Output Flakes Size	8 - 10 mm	8 - 12 mm	8 - 12 mm
RPM	70 RPM	30 RPM	520 RPM
Operating Area	4 x 4 Feet	5 x 5 Feet	8 x 8 Feet
Assembly Type	Single Shaft Cutting	Dual Shaft Cutting	High Speed Shaft
Gear Box	Worm Type	Helical Type	Pully Systemt

INJECTION SYSTEM

The Injection System delivers precise molding performance with high efficiency. Built for accuracy and reliability, it ensures consistent production across applications.

Injection Machine



Beads



Coaster



Pot

Pots and Coasters made from Injection.

MACHINE SPECIFICATIONS



Barrel	30 mm diameter/ 350 mm
Plunger	29.5 mm diameter/ 400 mm
Nozzle Bore	6 mm
Heater	54 x 140 mm
Temperature controller	Multispan up to 400 °C (2 nos)
Weight	113 kg
System	Motorized Hydraulic System
Package dimension	60 x 40 x 90 cm
Voltage	220 / 110v
Flake Input	Small/ Medium
Operating Area	3x3 feet



AGGLO MACHINE

The Agglo Machine efficiently recycles plastic waste into uniform granules. Designed for Durability and performance ensure consistent output with minimal energy use.



AGGLO

MACHINE SPECIFICATIONS



Barrel	600 X 600 mm
Shaft	50 mm
Blades	4 NOS
Motor	20 HP
Power Load	7.5 KW
Weight	400 kg
Output	40 KG Per Hour
Voltage	220V
Material	HDPE, PP, LDPE, PS, MLP



MOULDS

Our moulds are engineered for accuracy and durability, covering a wide range of applications including brick, beam, and pot moulds. Designed for consistent shaping, they ensure strength and precision in every form.



Brick
Mould

Pot
Mould

Beam
Mould

MOULDS

From everyday items to specialized products, our wide range of moulds — including sheet, tile, pot, floor, coaster, and more — are engineered for accuracy, durability, and consistent results across applications.



Carabiner
Mould



Hex Tile
Mould



Sheet
Mould



Floor
Mould



Pot
Mould



Coaster
Mould

		Compatible	Specification
Brick Mould 3 sizes		Extrusion V4	Made with Laser Cut MS
Carabiner Mould		Extrusion V4	Made with CNC Material. EN 31 (High Grade Steel)
Pot Mould (10 x 10 CM)		Extrusion V4	Made with CNC Material. EN 31 (High Grade Steel)
Beam Mould (Any Size)		Extrusion V4	Made with CNC Material. EN 31 (High Grade Steel)
Bead Mould (64 Pieces)		Injection Machine	Made with CNC Material. EN 31 (High Grade Steel)
Hex Tile Mould (120 x 120 MM)		Injection Machine	Made with CNC Material. EN 31 (High Grade Steel)
Sheet Mould (3-25mm)		Sheet Press Machine	Metal Bar Frame and Galvanized Sheet
Button Mould (10 Pieces)		Extrusion V4	Made with CNC Material. EN 31 (High Grade Steel)
Custom Key chain Mould		Injection Machine	Made with CNC Material. EN 31 (High Grade Steel)
Custom Coaster Mould		Injection Machine	Made with CNC Material. EN 31 (High Grade Steel)

GLOSSARY



Foldable table and wall-mounted chair.



Pots and Planters



Pot-hanger



Park Bench



Mini Round Table



Patterned Tiles

GLOSSARY



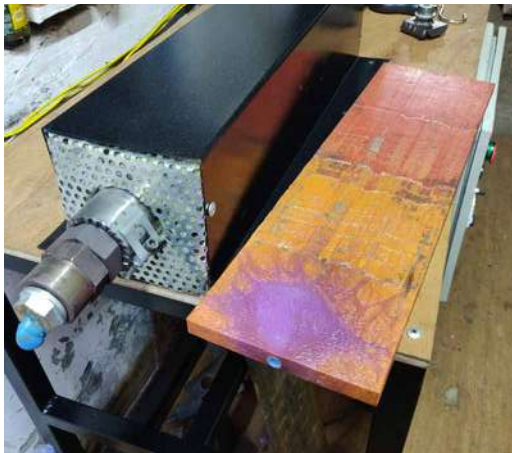
Switchboard



Frames made with designer tiles



Pen Holder



Plank made with extrusion



School bench plus table



Mosaic Sheet

OUR CLIENTS



GET IN TOUCH

Do you have any queries regarding plastic recycling or recycling machinery provided by us? Connect with us by filling out the contact form with your feedback or inquiries. We will be happy to help.

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