



GIVES CLARITY



ISO 9001 :2015 CETIFIED COMPANY

ABOUT US

Welcome to Trowen Enterprise, established in 2023. As an ISO 9001:2015 certified and registered company, we are at the forefront of the abrasive blasting and peening industry. We specialise in manufacturing high-quality wire shots and sourcing premium steel shots from leading global manufacturers.

We manufacture cut wire shots of carbon steel, stainless steel, copper, aluminium and zinc wire in all sizes and shapes that conform to stringent ,1342 SMA ,1008 IFDV, 144J EAS(sdradnats gnirutcafunam lanoitanretniIS 5873). At Trowen Enterprise, our mission is to provide exceptional abrasive blasting products that meet the highest standards of quality and performance.

We aim to be the global leader in the abrasive blasting and peening industry, recognised for our dedication to technological innovation, operational excellence, and unparalleled customer satisfaction.

Our vision is to revolutionise surface treatment solutions, driving advancements across diverse industrial sectors such foundry, forging, automotive, aerospace, medical, wind tower, pipe manufacturers and many engineering and manufacturing sectors.

Our products are meticulously engineered to meet the precise needs of each industry, ensuring exceptional performance and longevity. At Trowen Enterprise, we are focused on the future of surface treatment technology.

Our commitment to continuous improvement and innovation ensures we remain at the forefront of the industry. Our vision is to lead the global market in cut wire shots and steel shots, setting new benchmarks for quality and technical performance.

INDUSTRIES



FOUNDRY

FORGING



AUTOMATIVE



AEROSPACE



WIND ENERGY



PIPE MANUFACTURING



MEDICAL



PRODUCTS

WHAT IS CUT WIRE SHOT

Cut wire shot is produce by cutting wire into lengths equal to the wire diameter. Quality is assured by control of the chemical and physical Properties inherent in the wire and accurate sizing to length. Every piece is 100% solid. Cut wire is available in an “As-cut” (G1), semi conditioned (G2) and spherically conditioned (G3).

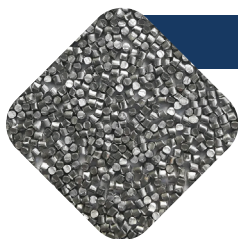
ADVANTAGES OF CUT WIRE SHOT

- Most economical and lowest consumption.
- More life span till completely reduced to Smallest tiny particle.
- Increases the fatigue life of the blasted components.
- No possibility for dust formation during shot blasting.
- Cleans the products faster.
- Cuts down the maintenance cost of shot blasting machine.
- No dust or health hazard during operation.
- Consistency in size, shape, and hardness.

APPLICATION OF CUT WIRE SHOTS

Shot Blasting	Shot blasting of profile steel, steel board, steel material, ship board
Shot Peening	Shot peening of heat treatment pieces gear etc.
Rust Removal	Rust removal of foundry pieces, forgings, steel board, steel material.
Shot Polishing	Shot polishing of steel board, steel material and profile steel.
Pre-treatment	Pre-treatment of surface steel structure before painting

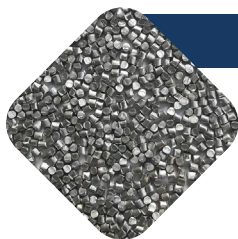
PRODUCTS



Carbon Steel Cut Wire Shots

Carbon steel cut wire shots are widely used in foundry, forging and automotive industries for cleaning, deburring descaling, shot peening and surface improvement.

Size	Hardness	Shape
0.40mm to 2.50mm	450-500 HV	As Cut
	500-550 HV	CCW (G1)
	610-670 HV	DCCW (G2)
	640-710 HV	SCCW (G3)



Stainless Steel Cut Wire Shots

Stainless steel cut wire shots are used for shot blasting on investment-castings, aluminum die castings, brass components and other metals on which carbon contamination is harmful.

	300 Series	200 Series	400 Series
Size	0.40mm to 2.50mm	0.40mm to 2.50mm	0.40mm to 2.50mm
Hardness	400-500 HV	400-500 HV	350-400 HV
Shape	As Cut CCW (G1) DCCW (G2) SCCW (G3)	As Cut CCW (G1) DCCW (G2) SCCW (G3)	As Cut CCW (G1) DCCW (G2) SCCW (G3)

PRODUCTS



Steel shot

Steel shot refers to small spherical particles made from steel, typically used as abrasive media in surface preparation processes such as shot blasting and peening.

Sieve #	7	8	10	12	14	16	18	20	25	30	35	40	45	50	80	120	200	Nominal dimension (mm)
mm	2.8	2.36	2.0	1.7	1.4	1.18	1.0	0.85	0.71	0.6	0.5	0.425	0.355	0.3	0.18	0.125	0.075	
S780	AP		> 90	> 97														2.00
S660	AP	< 20		> 97														1.70
S550		AP	< 30		> 90	> 97												1.40
S460			AP	< 30		> 90	> 97											1.18
S390				AP	< 20		> 85	> 97										1.00
S330					AP	< 10		> 85	> 97									0.85
S280						AP	< 30		> 90	> 97								0.71
S230							AP	< 30		> 90	> 97							0.60
S170								AP	< 30		> 90	> 97						0.50
S110									AP	< 20				> 90	> 97			0.30
S070											AP	< 5			> 90	> 97		0.18

Element

Carbon
Manganese (Mn)
Silicon (Si)
Sulfur (S)
Phosphorus (P)

Percentage Range(C)

0.70% - 1.20%
0.40% - 1.20%
0.10% - 0.80%
0.05% Max
0.05% Max

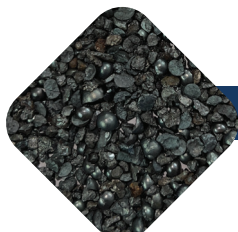
Density

>7 G/cm³

Microstructure

Tempered martensite

PRODUCTS



Steel Grit

Steel grit is an abrasive material used for cleaning, surface preparation, and shot peening.

Sieve #	7	8	10	12	14	16	18	20	25	30	35	40	45	50	80	120	200	Nominal dimen sio (mm)
mm	2.8	2.36	2.0	1.7	1.4	1.18	1.0	0.85	0.71	0.6	0.5	0.42	0.35	0.3	0.18	0.12	0.07	
G12	AP	< 20		> 85	> 97													1.70
G14		AP	< 10		> 80	> 90												1.40
G16			AP	< 10		> 80	> 90											1.18
G18				AP	< 30		> 85	> 97										1.00
G25					AP	< 40			> 85	> 95								0.71
G40						AP	< 20				> 90	> 96						0.50
G50								AP	< 10				> 80	> 90				0.355
G80											AP	< 20			> 75	> 90		0.18
G120													AP	< 10		> 50		0.125

Element

Carbon
Manganese (Mn)
Silicon (Si)
Sulfur (S)
Phosphorus (P)

Percentage Range(C)

0.80% - 1.20%
0.35% - 1.20%
0.40% - 1.20%
0.05% Max
0.05% Max

Density

>4 G/cm³

Microstructure

Tempered martensite



GIVES CLARITY

MFG. OF all Type of cut wire shot,
high durable steel shot & grit,
Glass Bead, Aluminium Oxide,ETC.

Contact us

+90 8780020319, +91 9301076775

16 Bhagat Estate, Jay Bharat Rangshala Compound,
Saraspur, Ahmedabad-380024

Trowenent@Gmail.com | Trowenenterprise.com