



GURUDEV
ABRASIVES



WHERE
PRECISION
MEETS
PERFECTION

India's Finest Abrasive Solutions
Experience Unmatched Performance

**these are real photographs of our products*

NAMASKAR



Contemporary world is defined by ambitious infrastructure development, high end technology integration and high demand for efficiency, all in an uncompromising fashion. South Pacific region, with India as its prominent poster boy, is thunder rumbling the globe with soaring aspirations exerting relentlessly to set off its long desire to become the epicentre of economic build out. Abrasives industry is indispensable for catalysing the robust growth of any economy contributing significantly in state of the art infrastructure development that are based on strong values of high precision and perfection.

Industries such as transportation and electronic equipment are estimated to record robust growth due to higher demand for automobiles and electronic appliances. Apart from this use of abrasives in construction, cleaning, maintenance, power generation and medical devices are expected to rise significantly in the coming years thus driving demand in the global abrasives market. Trends in the global abrasives market such as the use of abrasives in blasting sand cleaning and water jet cutting technology in industrial applications for achieving faster and more efficient operation is increasing significantly. Advancement in technology, increase in overall trade and transportation globally will fuel the abrasives market to a large extent, especially in the emerging economies of India and China.

Engrained by the core values of congruous precision and consistent perfection and driven by the urge to flex its muscles in this arena, Gurudev Abrasives Private Limited is eager to join hands with the 'Vishvakarmas' of the modern world, like you, who share our passion in realising the dream of a stronger and robust yet sustainable industrial magnification in particular and economic growth in general.

Regards
Director
Gurudev Abrasives

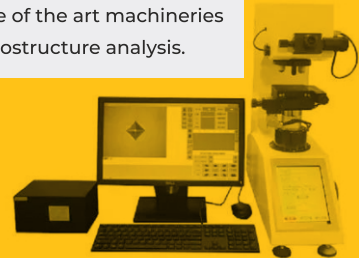


CRAFTING UNRIVALLED SHOTS & GRITS

Quality Adherence at Gurudev Abrasives isn't just a passing criteria; it's a philosophy embedded into every facet of our operations. From stringent internal testing to regular external checks by government owned & certified laboratories, we go an extra mile to ensure our products meet and exceed industry standards. Our comprehensive approach to quality assurance has aided our strong presence in the domain, trusted by clients across industries.

Stringent Quality Standards

- ✓ Premium ferrous scrap with guaranteed low Sulphur & Phosphorus in charge mix.
 - ✓ Rigorous Quality Controls based on set Standard Operating Procedures, eliminating human errors.
 - ✓ Cutting-edge machineries from trusted brands like Electrotherm other and reputed works.
 - ✓ Specialized Wet Lab for chemical evaluation by expert chemists.
 - ✓ Separate Dry Labs equipped with ISO certified precision instruments & state of the art machineries handling defect analysis, sieve ratio assessment along with hardness & microstructure analysis.
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- ✓ Weekly quality assurance from Govt. Certified Agencies.
 - ✓ Dedicated inspection room that serves as an additional layer for ensuring quality of products before final packaging.



HIGH CARBON **STEEL SHOTS**

Our steel shots at Gurudev Abrasives set the benchmark for abrasive blasting materials, meticulously crafted for optimal performance. Subject to rigorous internal testing, our shots boast superior hardness, density, and structural integrity. Available in a versatile size range of S-110 to S-780, they cater to diverse industries like automotive and construction. Weekly external testing at certified labs ensures consistent, above-par performance. Rely on our steel shots for a safe, effective, and superior blasting experience.

Sizes

S-930	: 2.36mm
S-780	: 2.00mm
S-660	: 1.70mm
S-550	: 1.40mm
S-460	: 1.18mm
S-390	: 1.00mm
S-330	: .850mm
S-280	: .710mm
S-230	: .600mm
S-170	: .425mm
S-110	: .300mm

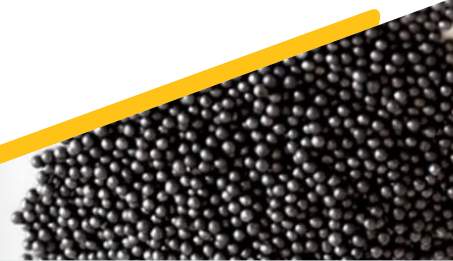
(Other grades available
on request.)

Chemical Analysis

Carbon	- 0.85% - 1.20%
Manganese	- 0.90% - 1.00%
Silicon	- 0.60% - 0.70%
Sulphur	- 0.040% max
Phosphorus	- 0.050% max

Physical Properties

Density	- 7.47g/cc min.
Hardness	- 40-51 HRC



WHAT GIVES US **AN EDGE**



**Identical Solidity
& Uniform Size**



**Dimension
Precision**



**High Abrasive
Resistance**



**High
Durability**



S110

S170

S230

S280

S330

S390

S460

S550

S660

S780

HIGH CARBON STEEL GRITS

Gurudev Abrasives' Steel Grit is a standout in the abrasive materials industry, engineered for precision and durability. Subject to stringent quality checks, it excels in surface treatment applications. Its angular shape ensures aggressive impact, ideal for efficient material removal. Regularly tested both in-house and in certified labs, our Steel Grit is the benchmark for reliable and effective abrasive blasting.

Sizes

G-10 : 2.00mm
G-12 : 1.70mm
G-14 : 1.40mm
G-16 : 1.18mm
G-18 : 1.00mm
G-25 : .710mm
G-40 : .425mm
G-50 : .300mm

Chemical Analysis

Carbon - 0.85% - 1.20%
Manganese - 0.90% - 1.00%
Silicon - 0.60% - 0.70%
Sulphur - 0.040% max
Phosphorus - 0.050% max

Physical Properties

Density : 7.63 g/cc min.

Angular Grits (GH) :

[Hardness : 60-65 HRC
Microstructure : Martensite]

Tempered Angular Grits (GP) :

[Hardness : 40-51 HRC
Microstructure : Tempered Martensite]

(Other Grade &
Other hardness
such as GL (50-55 HRC)
are available on order.)



WHAT GIVES US **AN EDGE**



**High
Resilience**



**Dimensionally
Accurate**



**Seamless
Finish**



**High
Reusability**





COMPARATIVE CHART OF SHOTS SPECIFICATION

S. No.	Item Name	Gurudev Abrasives Pvt. Ltd.	Indian ISS 4606 of 1983	Chinese Specification	American Specification	SAE J 827 Specification	International Specification
1	Shape when new	Spherical	Spherical	Spherical	Spherical	Spherical	Spherical
2	Screen Analysis	As Per specification of BIS/ASTM/SAE	As Per specification of BIS/ASTM/SAE	As Per Chinese Specification	As per SFSA Designation 20-66	As per SAE J-827	As per ISO 11124-3
3	Chemical Analysis	Carbon : 0.85%-1.20%	Carbon : 0.6%-1.25%	Carbon : 0.85% to 1.20%	Carbon : 0.75% to 1.20%	Carbon : 0.85% to 1.20%	Carbon : 0.80% to 1.20%
		Manganese : 0.90%-1.00%	Manganese : 1.25% max.	Manganese : 0.60% to 1.20%	Not Available	Manganese : 0.05% to 1.2%	Manganese : 0.35% to 1.20%
		Silicon : 0.60% - 0.70%	Silicon : 0.20% to 1.10%	Silicon : 0.40% to 1.50%	Silicon : 0.40% to 1.50%	Silicon : 0.40% to 1.50%	Silicon : 0.4% min.
		Sulphur : 0.040% max	Sulphur : 0.080% max.	Sulphur : <0.025%	Sulphur : <0.05%	Sulphur : 0.05% max.	Sulphur : 0.5% max.
		Phosphorus : 0.050% max	Phosphorus : 0.080% max.	Phosphorus : <0.025%	Phosphorus : <0.05%	Phosphorus : 0.05% max.	Phosphorus : 0.05% max.
4	Hardness	40-51 HRC	400 to 500 HV, lowest & highest individual range from 375 to 550 HV	44 to 47 HRC	40 to 50 RC	44 to 50 HRC ; 390-510 VPN	390 to 530 HV
5	Density	7.47g/cc min.	7 g/ml min.	7.0g/cm ³	Not Available	7g/cc	7.0kg/dm ³
6	Microstructure Examination at 500X	Tempered Martensite	Tempered Martensite	Tempered Martensite	Tempered Martensite	Tempered Martensite	Tempered Martensite
7	Fish Tails	2% max.	2%	10%	10%	10%	5%
8	Blow Holes	2% max.	10%	10%	10%	10%	10%

BLACK IRON POWDER

With more than 98% Fe content & insignificant fraction of sulphur & phosphorus. The black iron powder produced by gurudev abrasives is the best choice for metallurgical industries where high quality and performance are valued.

Widely Supplied in by Stainless Steel Industry, Welding Industry, Sintering Parts manufacturers, Pharmaceuticals, Diamond Cutting, Fertilizer, etc.

A large pile of black iron powder is shown, with a stream of the powder being poured from above, creating a dynamic visual effect. The powder is dark grey/black and has a fine, granular texture.

Size: upto 2 mm Fe: 98% min.

APPLICATIONS

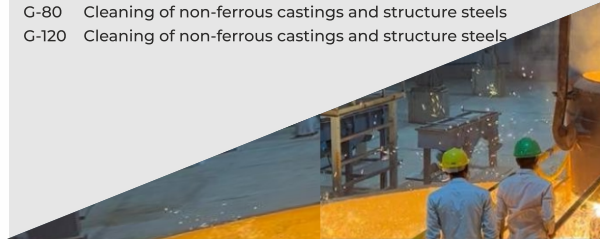
Gurudev Abrasives offers a specialized range of steel shots and grits, each engineered for specific industrial applications. From blast cleaning large castings with S-780 and G-10 to precision work with S-230 and G-50, our portfolio provides targeted solutions across various sectors. Committed to the highest quality, each product undergoes rigorous internal and external testing, ensuring optimal performance and reliability

Size Application

S-780	Blast cleaning of large steel & iron casting.
S-660	Blast cleaning of large steel & iron casting.
S-550	Blast cleaning of large and medium steel & iron casting.
S-460	Blast cleaning of large and medium steel & iron casting .
S-390	Blast cleaning of medium and small steel & iron casting, descaling and peening of forgings and plates
S-330	Blast cleaning of medium and small steel & iron casting, descaling and peening of forgings and plates
S-280	Blast cleaning of small steel & precision casting, descaling and peening of medium thin sheets
S-230	Blast cleaning of stainless steel, thin sheets, non-ferrous castings.
S-170	Blast cleaning of stainless steel, thin sheets, non-ferrous castings.
S-110	Blast cleaning of stainless steel, thin sheets, non-ferrous castings.
S-70	Blast cleaning of stainless steel, thin sheets, non-ferrous castings.

Size Application

G-10	Blast cleaning of large or medium steel & iron casting.
G-12	Blast cleaning of large or medium steel & iron casting.
G-14	Blast cleaning of large or medium steel & iron casting.
G-16	Blast cleaning of large or medium steel & iron casting.
G-18	Granite cutting, blast cleaning of casting, etching of rolls, cleaning of structure steels.
G-25	Granite cutting, blast cleaning of casting, etching of rolls, cleaning of structure steels.
G-40	Granite cutting, blast cleaning of casting, etching of rolls, cleaning of structure steels.
G-50	Cleaning of non-ferrous castings and structure steels
G-80	Cleaning of non-ferrous castings and structure steels
G-120	Cleaning of non-ferrous castings and structure steels



GURUDEV ABRASIVES:

SHAPING EXCELLENCE ACROSS INDUSTRIES

Gurudev Abrasives, has consistently demonstrated its expertise and commitment to quality in various sectors. Explore how Gurudev Abrasives is making its mark in the following industries:



Automobile



Petrochemical



Railway Wagon & Defense



Aerospace



Construction



Metallurgy



Forging



Fabrication



Wagon & Ship building

Also use in the filled of bridge blasting, heat treatment shops, flashing removal, surface finishing, and other such industrial jobs across segment.





GURUDEV
ABRASIVES

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