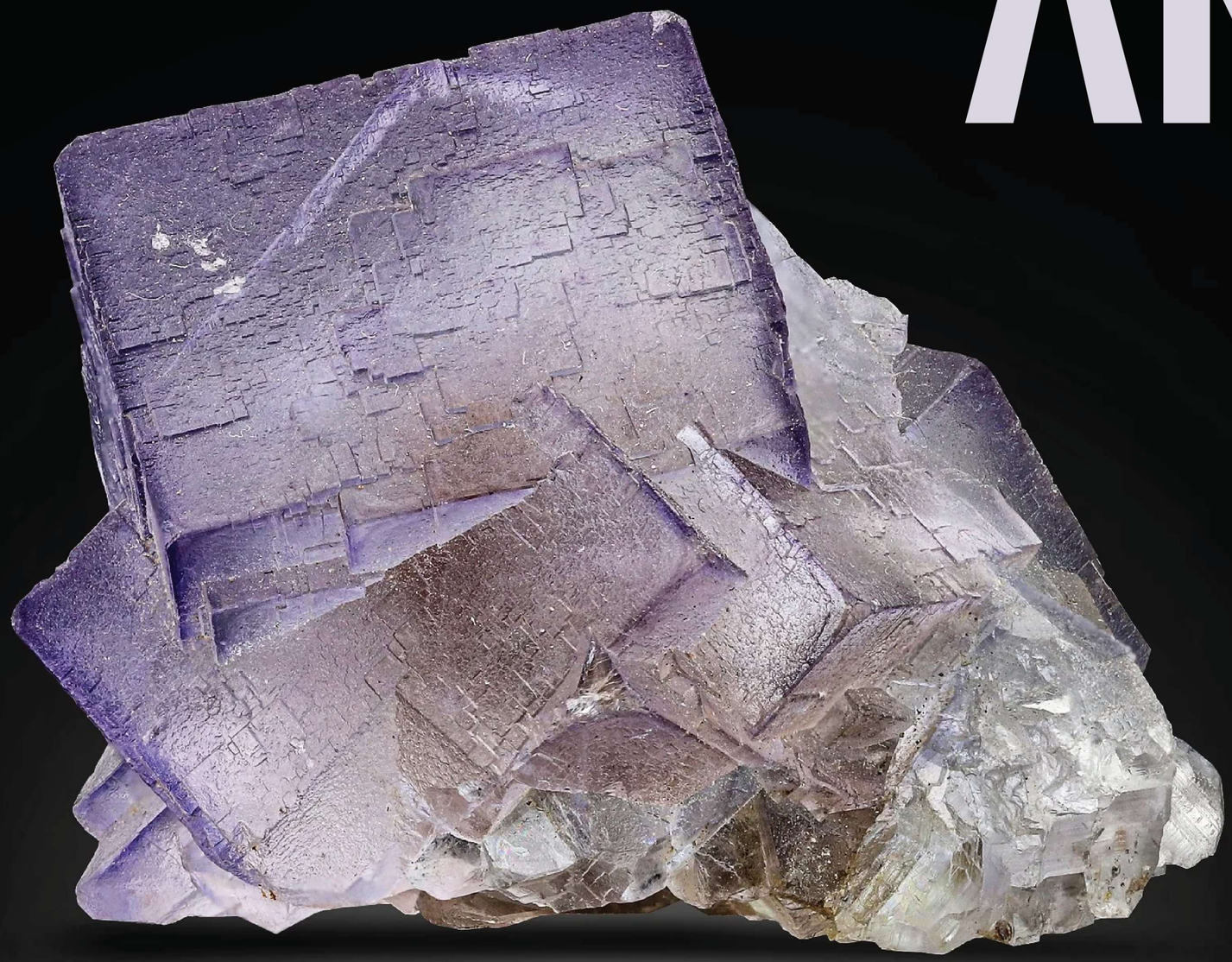
FLUORITE

AMMICO



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FLUORITE

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AMMICO has established a Dense Media Separation (DMS) production line with an annual capacity of 18,000 tons, aimed at processing and producing fluorspar for various industries. The Kouh Ziarat mine in South Khorasan, is operated by AMMICO to supply fluorspar ore. Fluorspar ore is extracted with a grade ranging between %60-20, depending on the area, and is processed based on different grades. In addition to fluorspar, this production line is capable of processing other mineral materials to increase the purity. The processing plant is located in Shahid Parsa Industrial Park in Ferdows, South Khorasan, and focuses on upgrading fluorspar to meet the needs of various dependent industries.

Fluorspar is utilized across multiple industries, including steel smelting, ceramics, chemicals, and electronics. One of the company's significant goals is the processing of waste from other fluorspar mines in the country, which contributes to environmental preservation and resource conservation by reducing physical operations like extraction and waste removal. Industries such as electrode manufacturing, aluminum, and steel production consume over %95 of the world's fluorspar. In steelmaking, fluorspar is used as a flux to lower slag viscosity, allowing impurities like phosphorus and sulfur to enter the slag. Despite not being a major production material, fluorspar is a critical raw material in the aluminum, chemical, and steel industries worldwide.

Size	
Gravel (mm)	powder
10-25	As ordered
4-10	

Acid Grade Fluorspar							
Chemical properties	CaF_2%	SiO_2%	P_2O_5%	MgO%	CaO%	SO_3%	LOI
Type A	>97	<0.5	<0.02	<0.5	<0.5	<0.5	<0.4
Type B	95-97	<1	<0.02	<0.7	<1	<0.5	<2
Type C	90-95	<1	<0.02	<1	<1.5	<0.5	<3

Ceramic Grade Fluorspar							
Chemical properties	CaF_2%	SiO_2%	P_2O_5%	MgO%	CaO%	SO_3%	LOI
Type A	85-90	<3	<0.02	<2	<2	<0.5	<5
Type B	80-85	<3	<0.02	<3	<4	<0.5	<8

Metallurgical Grade Fluorspar							
Chemical properties	CaF_2%	SiO_2%	P_2O_5%	MgO%	CaO%	SO_3%	LOI
Type A	75-80	<5	<0.02	<5	<6	<0.5	<9
Type B	70-75	<5	<0.02	<6	<7	<0.5	<11
Type C	65-70	<5	<0.02	<7	<8	<0.5	<13

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