

FILLING PLANT EQUIPMENT COMPLETE CHARGING (FILLING) LINE

Charging (filling) applications:

ARTILLERY AMMUNITION
AIRCRAFT ORDNANCE
UNDERWATER MINES

**PRIVATE SALE
IMMEDIATELY AVAILABLE.**



REF. 1654

PART I

GENERAL INFORMATION - 1

Description:

Industrial Capability for the Melting and Explosive Filling of Artillery Projectiles and Aerial Bombs

Plant Background:

The Explosive Filling Plant was designed and built in the 1980s and was commissioned to an overseas government owned military production facility.

Industrial Capability:

The plant was designed with two main production lines intended for the filling of both large and small explosive munitions.

Originally conceived for the manufacture of aerial bombs ranging from 50 kg to 1,000 kg, it can be readily adapted for the filling of artillery projectiles, mortar bombs, rocket warheads, mines, and other military explosive ordnance in accordance with MIL-STD specifications.

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GENERAL INFORMATION - 2

The system has an explosive melting capacity of approximately 600 kg per hour for explosives such as TNT and complex explosive compositions, including RDX/TNT, HBX, Tritonal, Torpex, and H-6.

In addition, the plant is equipped to perform simultaneous filling operations using both molten and solid explosives, ensuring the production of homogeneous, high-quality explosive charges that meet industrial standards.

The industrial capability includes fully integrated systems for:

- Explosive melting
- Explosive mixing
- Explosive filling
- Material handling
- Fume extraction
- Effluent treatment

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PLANT MAIN SYSTEMS AND EQUIPMENT – 1

Explosive Melting, Mixing and Filling Area

Explosive melting units.

Explosive mixing and filling vessels.

Rotary filling table.

Hoppers and vibratory feeders for solid explosive charging.

Thermal control systems.

Hydraulic systems.

Material Handling Area

Industrial monorail system.

Pneumatic overhead cranes and hoists.

Positioning equipment.

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PLANT MAIN SYSTEMS AND EQUIPMENT – 2

Industrial Safety

Fume extraction and gas scrubbing systems.
Effluent treatment plant.

Instrumentation and Control

Industrial weighing scales with capacities of 50 kg,
100 kg and 500 kg.
Center of gravity measuring equipment.

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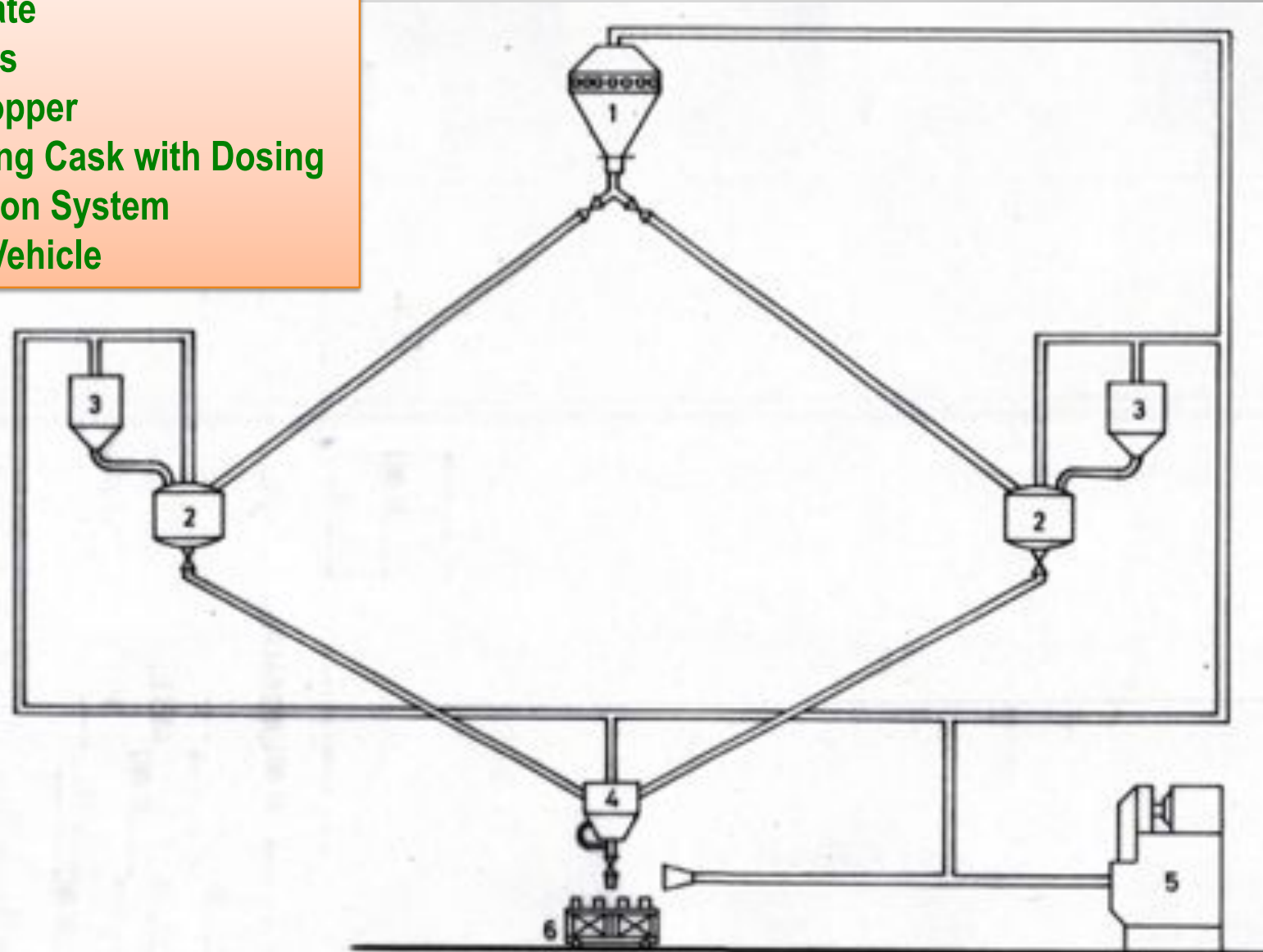
**AUXILIARY EQUIPMENT
(Photographs in Part V)**

- 1- Center of Gravity Measuring Fixture
- 2- Effluent Treatment Plant
- 3- Gas Scrubbing System
- 4- Industrial Weighing Scales
- 5- Mechanical Room
- 6- Monorail Transportation System
- 7- Overhead Crane with Pneumatic Hoist
- 8- Paint Booth
- 9- Pneumatic Chain Hoist with Trolley
- 10- SIEMENS–CSB Fire-Fighting Pump Unit
- 11- Tilting Device.

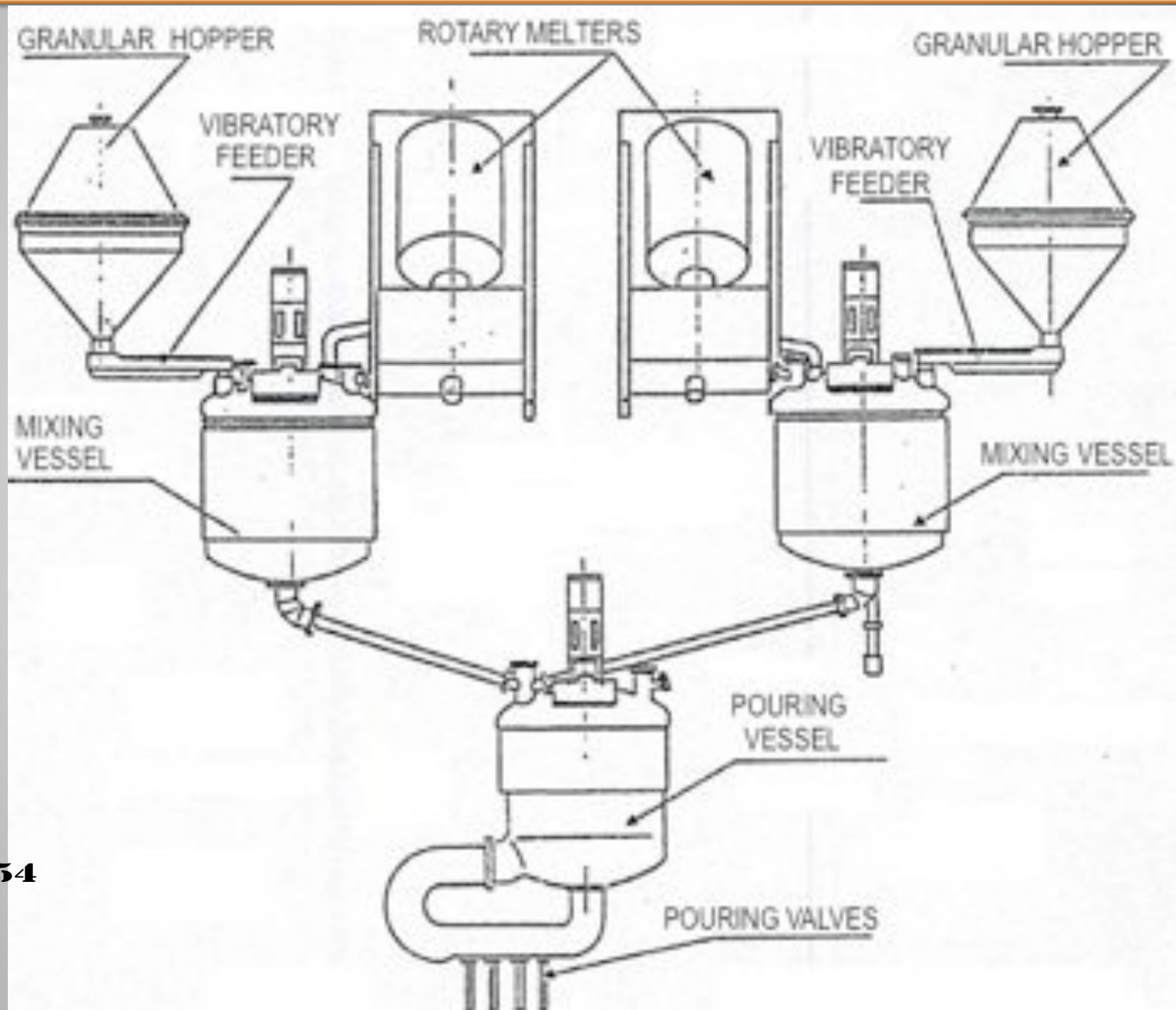
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MELTING PROCESS SCHEMATIC DIAGRAMME

- 1- Melting Grate
- 2- Mixer Casks
- 3- Feeding Hopper
- 4- Recirculating Cask with Dosing
- 5- Air Extraction System
- 6- Transport Vehicle



EXPLOSIVE FILLING PROCESS SCHEMATIC DIAGRAMME



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MAJOR ITEMS DESCRIPTION

1. Main Melting equipment

2 x Rotary melting Drums.

Drive by hydraulic motor.

Speed of rotation – Variable – adjustment of Flow control.

Capacity 200 Kg of Molten Explosive each one.

2 x Vibratory feeder and hoppers

Drive – Hydraulic. Amplitude – Adjustable.

2 x Melting / Mixing vessels.

Drive by hydraulic motors.

Speed of paddle rotation – variable by adjustment of flow control.

Capacity 300 Kg each one.

1 x Explosive sorting table

1 x Control panel.

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2. Main Filling equipment

1 x Pouring Vessel.

Drive by hydraulic motors

Speed of Impeller rotation variable by adjustment of flow control.

Pouring valves Pneumatic – spindle and diaphragm type.

1 x Vibratory feeder and hoppers (Solids feeder)

Drive Hydraulic. Amplitude Adjustable.

1 x Rotary Filling Table.

Drive Hydraulic, Indexing one position at a time.

Filling positions 8.

Method of Fill – By increments – liquid/biscuit.

Method of Load/Unload - By Monorail with hoist and Scissor.

1 x Control panel.

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3. Preparation equipment

1 x Bitumen cement melter with pouring jug.

1 x TNT (topping) melter with pouring jug.

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4. Finishing equipment

1 x TNT melter with pouring jug.

1 x Bitumen cement melter with pouring jug.

1 x Overhead crane track with 3 hoist of 1 ton. (Monorail)

1 x Booth spray paint.

1 x Bomb tilting device (To transfer Vertical to Horizontal position.)

1 x Center gravity finder.

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5. Melting equipment for biscuit and small productions

1 x Melter.

2 x Vibrating feeder and hoppers.

2 x Melting / Mixing vessel.

1 x Control panel.

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6. Filling equipment for biscuit and small productions

2 x Discharge valves

1 x Cooling cabinet for biscuit trays

3 x Conveyor Roller

1 x Biscuit breaking table

1 x Control Panel

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PART II

PHOTOGRAPHS

The photographs which follow have been taken from the time that the equipment was installed and was operational in an ammunition and ordnance filling plant.

They do not depict the present status of the equipment which has been described in preceding PART I.

Parties which are seriously interested in purchase of the equipment can enquire (contact details at the end of this presentation) and will receive further details plus a modality of a potential transaction, license and support documentation requirements, etc

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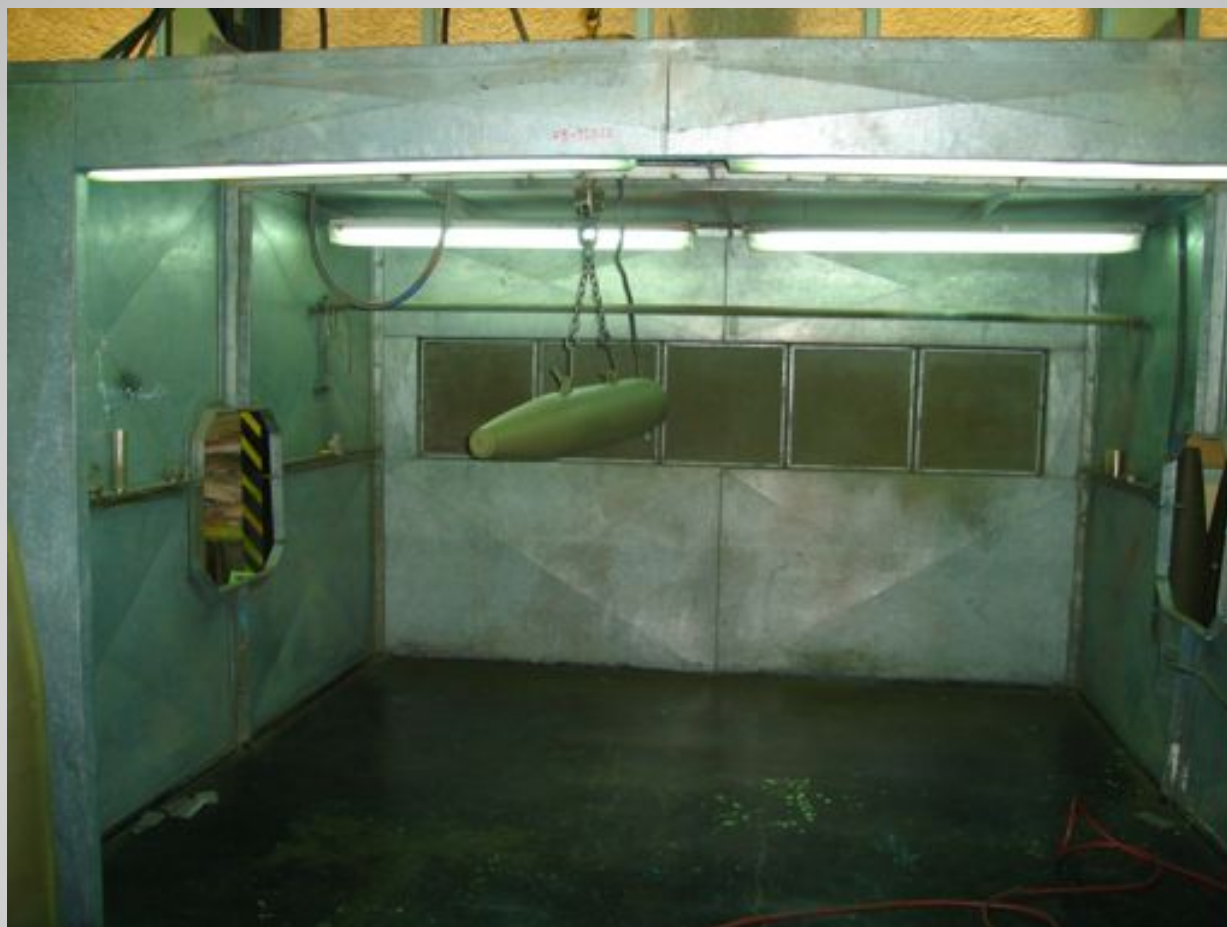
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THE EQUIPMENT, ALTHOUGH 45 YEARS OLD IS IN GOOD AND FUNCTIONAL CONDITION.
IT CAN BE UTILISED TO EITHER AN EXISTING FACILITY OR FOR SETTING UP A NEW ONE.

IT IS OFFERED AT AN EXTREMELY ATTRACTIVE AND REALISTIC PRICE FOR QUICK SALE.

FULL SET OF ENGINEERING DRAWINGS(LISTED IN PART IV) ARE INCLUDED IN THE SALE.

SERIOUSLY INTERESTED PARTIES
PLEASE ADDRESS ENQUIRIES
TO BELOW CONTACT POINTS
CITING FULL DETAILS AND CREDENTIALS :

EXPORTS @ ORDTECH-INDUSTRIES.COM

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