



PRESSES

MECHANICAL • HYDRAULIC • SERVO

Defence & Allied Applications



Safeties conform to:
CE (EN-16092 : 2018)
OSHA 1910.217
CSA-Z142
NR-12

ISO 9001:2015
ISO 14001:2015
OHSAS 18001 :2007

Trusted Partner for Make-in-India



Isgec Heavy Engineering Ltd. is a multi-product, public company that has been providing engineering solutions to customers across 91 countries over the past 85 years.

The company has a diversified range of offerings that range from the manufacturing of highly sophisticated and finely engineered products to the setting up of EPC projects for customers around the world.

Isgec has varied capabilities and credentials for supplying equipment that is Built-to-Print and Built-to-Specifications.

Isgec has extensive infrastructure covering 1,110,000 sq.m. of covered shop area across 6 locations. These are internationally certified and boast of a wide range of facilities. In fact, almost all of the manufacturing and testing requirements are met internally, with almost zero dependence on outside sources.

Self-reliant manufacturing infrastructure along with a strong supply chain makes Isgec a dominant player in this domain. Isgec believes in enhancing the profitability of its partners through best manufacturing practices and innovative solutions.

Unique Applications

- Shell Forming (Deep Drawing)
- Shell Forming With Shuttle Box
- Cartridge Case Forming With Bottom Rotary Indexing
- Heavy Heading & Indenting Press
- Chassis Manufacturing
- Propellant Compacting



- 3500 MT Hydraulic Press for Heading of Shell
- Travelling Top & Bottom Shuttle
- High Productivity Solution as 1st and 2nd Heading Operation are done



- 3000 MT Hydraulic Press for Heading of Shell
- Travelling Top Shuttle with two Stations
- Rotating Bottom Shuttle with three Stations
- Toolled Up



- 2600 MT Hydraulic Press for Hot Forming of Armoured Steel Plates
- Bolster size 3500 x 3500 mm
- Separate Inner & Outer Slides and Toolled up Turnkey Solution



- 1000T Hydraulic Press for Propellant Compaction of Akash Missile
- Unmanned remote operation through CCTV
- Maximum fire safety for highly explosive material compaction



Approvals

- Directorate General of Quality Assurance (DGQA)
- Defence Research and Development Organisation (DRDO)
- Indian Space Research Organisation (ISRO)
- Goa Shipyard Ltd. (GSL)
- Nuclear Power Corporation of India Ltd. (NPCIL)
- Research Design and Standards Organisation (RDSO)

Accreditations

- ASME 'S' 'U' & 'U-2' 'N' & 'NPT' Stamps
- National Board, USA 'R' Symbol
- National Board, USA 'NB' Mark
- ISO 14001 : 2015
- ISO 45001 : 2018
- OHSAS 18001 : 2007
- CE Marking

Testing Facilities

- NABL Approved Lab
- Radiography
- Helium Leak Testing
- PAUT / TOFD
- Positive Material Identification (PMI)
- Impact Testing down to -196°C (-321°F)
- Tensile Testing
- IGC Testing
- Hardness Testing
- Magnetic Particle Testing
- Dye Penetrant Testing
- Ferriscope

Allied Sectors Served

AEROSPACE



6500T - Aerospace - 2000T

NUCLEAR



Hydraulic Nuclear Waste Compaction

AUTOMOBILE



Robotic Tandem Line

SHIPYARD



Shipyard Application - Hydraulic 2000T

STEEL



Travelling Column Straightening

DEFENCE



12000T Hot forming of Plates

Customers In Defence & Allied Fields

भारतीय आयुध निर्माणियाँ
Indian Ordnance Factories



Infrastructure



Machine Shop with Plano Miller and Boring Machines



A Google Earth view of the Isgec Plant at Yamunanagar (Haryana) India



Carl Zeiss Coordinate Measuring Machine



Gleason-Pfauter Gear Hobbing Machines



Large size Heavy Fabrication shop



Horizontal Boring Machines

Strategic Technology Partnerships

Amec Foster Wheeler, USA
AP&T, Sweden
Babcock Power Environmental Inc., USA
BHI FW Corporation, South Korea

Bosch Projects, South Africa
CB&I Technology Inc., USA
Envirotherm GmbH, Germany
Fuel Tech Inc., USA

Siemens Heat Transfer Technology b.v., Netherlands
Sumitomo SHI FW Energia Oy, Finland
Thermal Engineering International (TEI), USA

Subsidiaries & Joint Ventures

Isgec Hitachi Zosen Ltd.
a joint venture with Hitachi Zosen Corp., Japan

Isgec Titan Metal Fabricators Pvt. Ltd.
a joint venture with Titan Metal Fabricators, USA

Isgec Redecam Enviro Solutions Pvt. Ltd.
a joint venture with Redecam, Italy

Isgec SFW Boilers Pvt. Ltd.
a joint venture with Sumitomo SHI FW Energia Oy, Finland

Eagle Press & Equipment Co. Ltd.
a wholly owned subsidiary in Canada

Eagle Press America Inc.
a stepdown subsidiary in USA

Saraswati Sugar Mills Ltd.
a wholly owned subsidiary in India

Isgec Offerings



Contract Manufacturing



Presses Mechanical & Hydraulic



Castings Steel & Iron



Process Equipment



Civil Construction including Factories



EPC Projects



Boilers



Air Pollution Control Equipment



Sugar Plants & Distilleries



Bulk Material Handling



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Windsor (Ontario) Canada

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Overseas Offices : Chonburi, Thailand • Ontario, Canada • Tennessee, USA

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Sales Representatives : Brazil • China • France • Germany • Hungary • Indonesia • Italy • Japan
Malaysia • Mexico • Poland • Russia • South Africa • Spain • Thailand
Turkey • USA • Vietnam

Some of the accessories / fitments shown in the reference photograph may not be part of Standard equipment supplied.
Isgec reserves the right to change specifications without prior notice.
Details given in this Brochure are indicative & may change.