



ENGINEERING PRECISION. DELIVERING EXCELLENCE.

COMPLETE SOLUTIONS FOR DIE CASTING EXCELLENCE

JET COOLING | VACUUM SYSTEMS | CHILLERS
CONSUMABLES | SPARES & ACCESSORIES



High Performance
Systems



Smart Process
Engineering



Precision Driven
Solutions



Trusted Industrial
Quality



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PRECISE
PERFORMANCE



RELIABLE
TECHNOLOGY



HIGHER
PRODUCTIVITY



LOWER
COST



GLOBAL
SUPPORT

INTRODUCTION OF PRECISION

AT PRECISION SYSTEM EQUIPMENT PVT. LTD., WE SPECIALIZE IN ADVANCED DIE CASTING SOLUTIONS FOCUSED ON IMPROVING CASTING QUALITY, REDUCING POROSITY, AND ENHANCING MOLD LIFE.

WITH CUTTING-EDGE TECHNOLOGY AND INDUSTRY EXPERTISE, WE PROVIDE RELIABLE AND COST-EFFECTIVE SYSTEMS FOR MODERN DIE CASTING OPERATIONS ACROSS INDIA AND GLOBAL MARKETS.

Precision System Equipment Pvt. Ltd. is a leading provider of advanced solutions for the die casting industry, dedicated to enhancing casting quality, improving productivity, and delivering complete process optimization.

With a strong focus on innovation and engineering excellence, the company specializes in manufacturing and supplying high-performance equipment such as **Jet Cooling Systems, Vacuum Machines, Industrial Chillers, and DM Water Making Systems.** These technologies are designed to support modern die casting operations by ensuring better temperature control, reduced cycle time, and improved overall efficiency.

In addition to core equipment, Precision also offers a wide range of **die casting accessories, consumables, and auxiliary equipment**, catering to the diverse needs of foundries and manufacturing units. Our solutions are developed to meet industry standards while maintaining cost-effectiveness and long-term reliability.

One of our key strengths lies in providing **complete die casting solutions.** We actively work towards minimizing critical defects such as **shrinkage and porosity**, which directly impact product quality and strength. Through our advanced vacuum and cooling technologies, we help manufacturers achieve superior casting integrity and enhanced mold life.

PRECISION SYSTEM EQUIPMENT PVT. LTD.
ADVANCED DIE CASTING SOLUTIONS

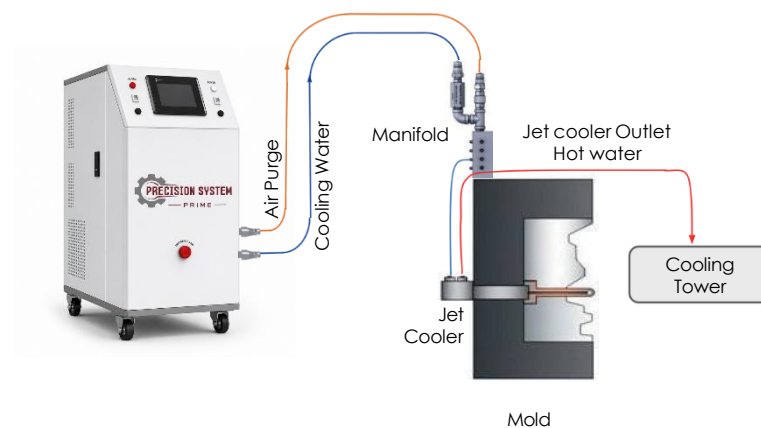
Jet Cooling | Vacuum System | Industrial Chiller | Jet cooler | Spares



PRECISION PRIME

PRECISION PRIME is an entry-level jet cooling system designed for efficient and reliable die cooling. Suitable upto 20 pins

- ✓ Reduces shrinkage porosity
- ✓ Low maintenance cost
- ✓ Simple plug & play operation
- ✓ Suitable for small to medium die casting setups



PRECISION PRIME



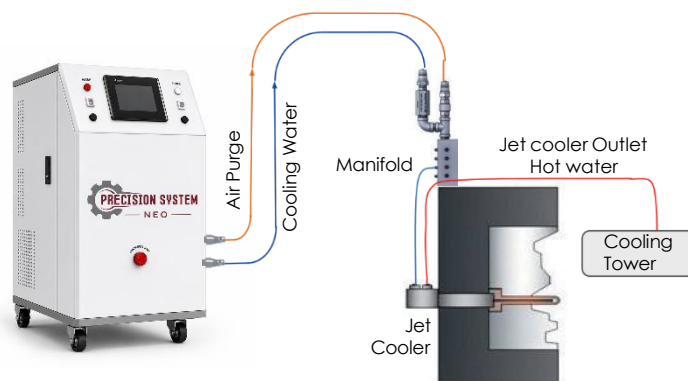
PRECISION NEO

PRECISION NEO Proven & reliable

Jet cooling technology for minimizing shrinkage Advanced jet cooling technology designed for high performance and consistent casting quality.

Casters trust this plug & play machine due to its optimal cost-performance

- ✓ Ideal for thin sections & core pin cooling
- ✓ Reliable & durable system
- ✓ International standard component
- ✓ Minimal maintenance



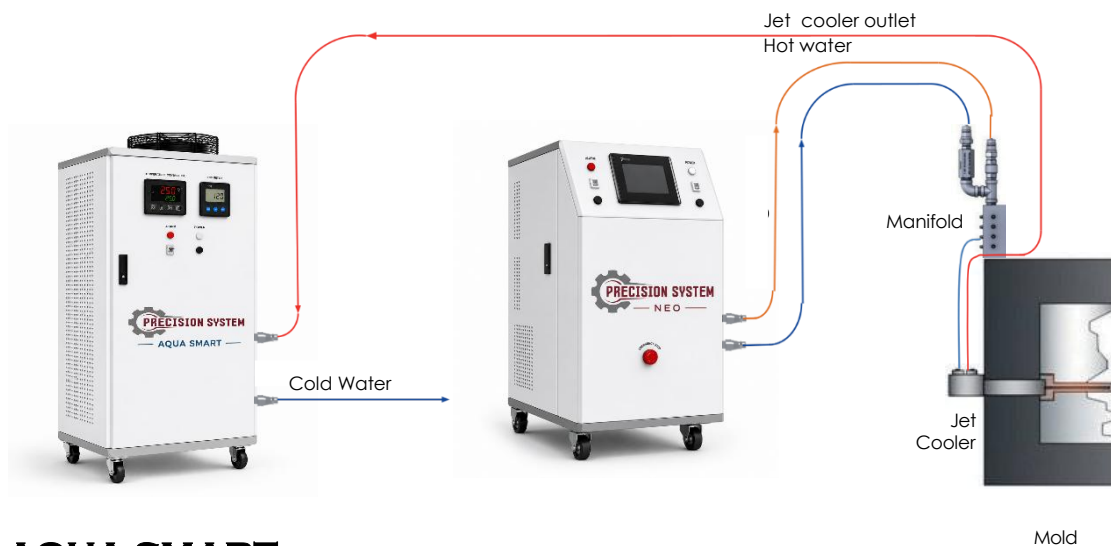
PRECISION NEO



PRECISION AQUA SMART

PRECISION AQUA SMART for Water Temperature & Conductivity controller for Jet, Spot & Line cooling.
Close loop your existing or new Jet cooling machine.
Save water consumption cost and improve efficiency.
Reduce scaling in cooling line and improve casting quality.

- ✓ Temperature control
- ✓ Suitable with Jet-Spot Cooler & Line Cooling
- ✓ Maintain Water Quality
- ✓ Low maintenance
- ✓ Fully Automatic



PRECISION AQUA SMART

JET COOLING



TECHNICAL SPECIFICATIONS		PRECISION PRIME	PRECISION NEO	PRECISION AQUASMART
CORE PINS COOLED	Nos	20	20 40 60 100	20 40 60 100
COOLING CHANNELS	Nos	02	02 04 06	01
INBUILT TEMP CONTROLLED		×	×	✓
INBUILT DEIONIZER		×	×	✓
FLOW RATE MEASURE / CHANNEL		×	✓	×
AIR & WATER PRESSURE MEASURE		✓	✓	×
CORE PIN BREAKAGE DETECTION		×	✓	×
CURVE PER CHANNEL DISPLAY		×	✓	×
ERROR DIAGNOSTIC & RECORDING		✓	✓	×
TOUCH SCREEN HMI		Delta 7"	Mitsubishi 7"	×
DATA STORAGE & TRANSFER MOLD/ PRODUCTION		05/200	16/200	×
WATER TANK (L)		-	-	60-200
STANDARD/CERTIFIED		-	-	-
COOLING CAPACITY	kW	×	✓	12 - 26
AMOUNT OF WATER PROCESS (AT 200 PPM)		×	✓	2000 L
EARTH LEAKAGE PROTECTION & DETECTION		×	✓	×
PROTECTION AGAINST RESIDUAL VOLTAGE, EARTH FAULT, RESIDUAL CURRENT CIRCUIT BREAK		×	✓	×
OVER/UNDER VOLTAGE PROTECTION		×	✓	×
DIMENSION (HxWxD)	mm	1000x600	1000x700	1300x800



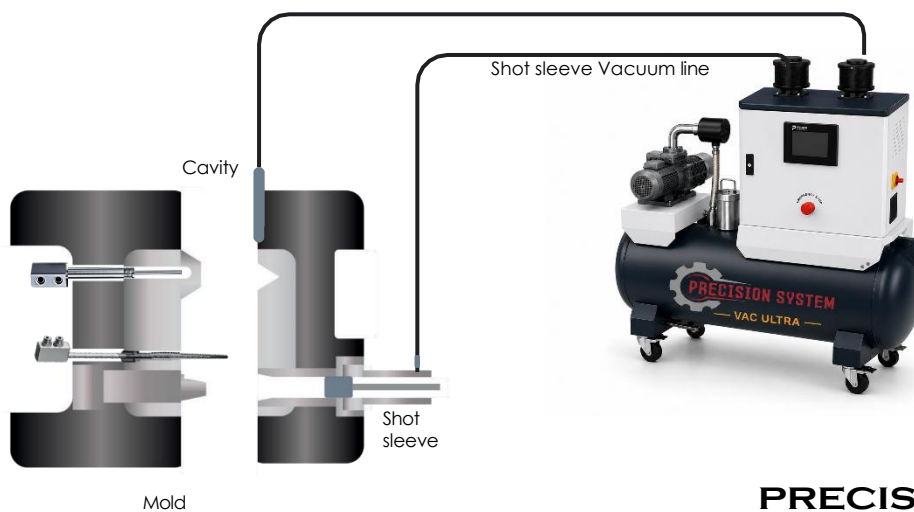
PRECISION VAC ULTRA

PRECISION VAC ULTRA Efficiency and flexibility makes Vacuum series, a uniquely acceptable vacuum system.

Two stage evacuation from shot sleeve & mold value in minimizing gas porosity.

Serves purpose & saves you tons of money.

- ✓ Size Available in VAC ULTRA- 250, 300, 500, 800, 1000 L
- ✓ Reduces gas porosity
- ✓ High performance & flexibility
- ✓ Improve Quality
- ✓ Reduce rejection



PRECISION VAC ULTRA



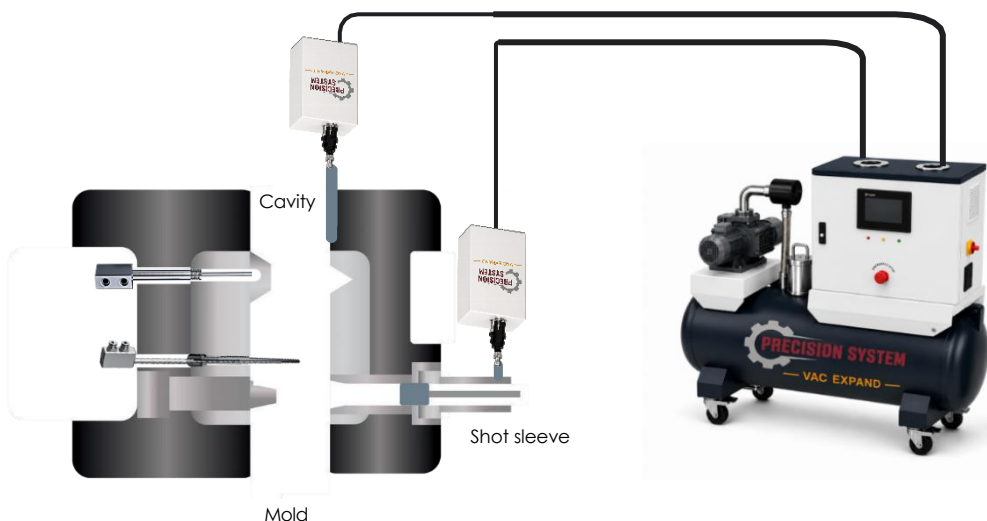
PRECISION VAC EXPAND

PRECISION VAC EXPAND Extension unit
mounted close to the mold reduces actuation time
and improves vacuum efficiency.
Vacuum solution for high tonnage casting.

Can connect upto 4 extensions unit with one PRECISION VAC EXPAND.

- ✓ Size Available in VAC EXPAND- 300, 500, 800, 1000 L
- ✓ Faster response time
- ✓ Improved vacuum efficiency
- ✓ Supports multiple extensions

Vacuum line



PRECISION VAC EXPAND

VACUUM SYSTEM



TECHNICAL SPECIFICATIONS		PRECISION VAC ULTRA	PRECISION VAC EXPAND
VACUUM TANK SIZE	Ltr	250	500
		500	800
		800	1000
		1000	
PUMP CAPACITY	m3/h	40	40
		63	63
		100	100

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ADVANCED DIE CASTING SOLUTIONS

Jet Cooling | Vacuum System | Industrial Chiller | Jet cooler | Spares



ENGINEERING PRECISION. DELIVERING EXCELLENCE.

Precision System Equipment Pvt. Ltd. is a trusted name in the die casting industry, delivering advanced and reliable solutions that enhance casting quality, improve productivity, and reduce operational costs.

OUR PRECISION SOLUTIONS



JET COOLING
SYSTEMS



VACUUM
SYSTEMS



INDUSTRIAL
CHILLERS



OFFICE ADDRESS

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H-1, Hutments Forsbery Road ,
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PRECISE
PERFORMANCE



RELIABLE
TECHNOLOGY



HIGHER
PRODUCTIVITY



LOWER
COST



GLOBAL
SUPPORT

FOLLOW US



PRECISION IN PROCESS, PERFECTION IN CASTINGS