

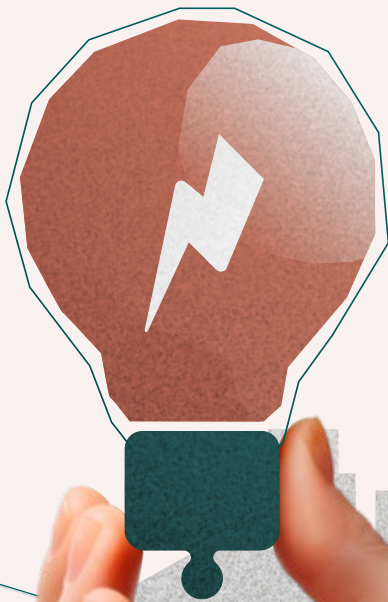
Uninterrupted Power for Unstoppable Performance

INSIDE: POWER CONDITIONING SOLUTIONS THAT BRING YOU PEACE OF MIND

Company Brochure

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- ABOUT US
- OUR MISSION
- THE INDUSTRY PROBLEM
- SOLUTION
- INDUSTRIAL APPLICATIONS
- TESTIMONIALS
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- CONNECT WITH US



15
years

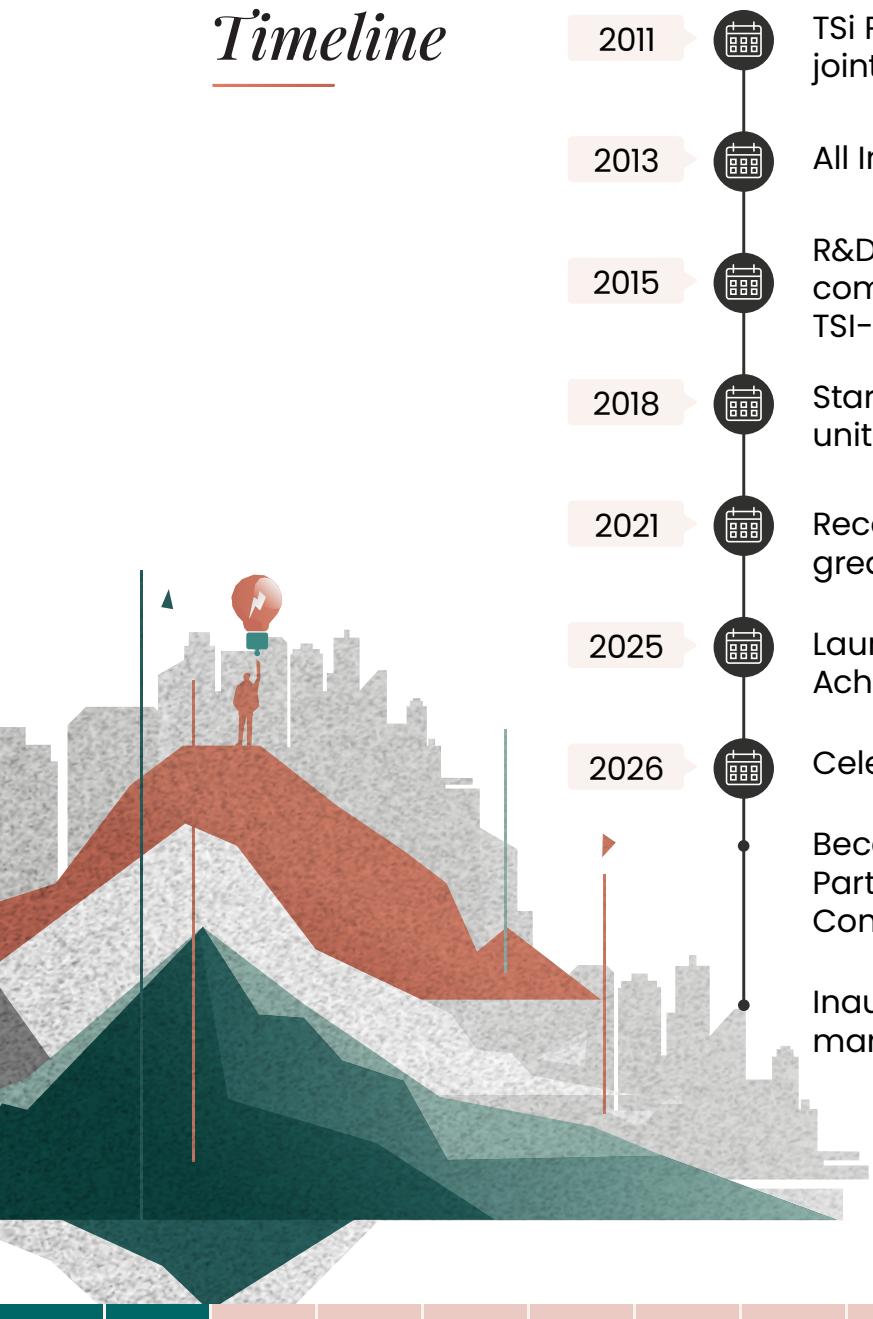
POWERED BY THOUGHT,
DELIVERED BY ACTION

TSi
POWER

World's most trusted Static Voltage Stabilizers

For over a decade, TSi Power has been an expert in manufacturing high-quality power conditioning equipment and transformers, delivering reliable solutions across industries.

Timeline

- 
- 2011 TSi Power India was incorporated as a joint venture with TSi Power USA.
 - 2013 All India Sales Team was formed.
 - 2015 R&D started in India to develop common technology platforms with TSI-USA.
 - 2018 Started manufacturing high capacity units.
 - 2021 Recognised by CII amongst the '69 greatest factories of Gujarat'.
 - 2025 Launch of new products - Knightingale, Achal and Raptor-Eye Monitor.
 - 2026 Celebrating 15 years of TSi Power.
Became the Authorised Channel Partners in India for **ABB** Power Conditioning Solutions.
Inauguration of our new manufacturing unit.

Our Mission

Powering Happiness.

To machines and to the people who run them.

Even the slightest power disruption can throw modern machines off balance and impact your business efficiency, team productivity and machine longevity. The good news? With stable power quality, you can keep your machines running efficiently and reducing maintenance costs – creating happier workspaces.

How TSi makes an impact



18,000+

Successful Installations



4,000+

Delighted Customers



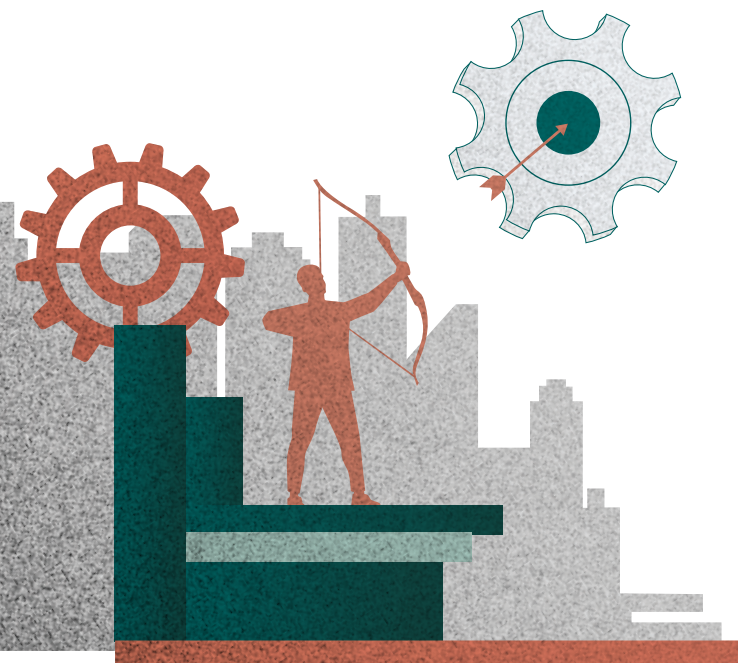
20+

Countries



60+

Channel Partners



Problem

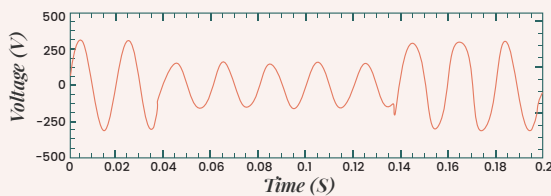
The hidden cost of impure power

Modern machines are built to perform with precision, but they're also highly sensitive to even the smallest voltage fluctuations. When the power supply isn't stable, it doesn't meet the machine's most essential requirement. Thus, problems start to arise - frequent disruptions, unexpected card failures, and costly downtime.

Sensitive electronic components can wear out faster, leading to expensive repairs and replacements. Over time, these issues not only reduce productivity but also drive up energy costs and shorten the lifespan of valuable equipment. To keep operations running smoothly and efficiently, maintaining a consistent and reliable power supply is essential. It's an investment in both performance and longevity.

Common Power Quality Problems That Damage Machinery

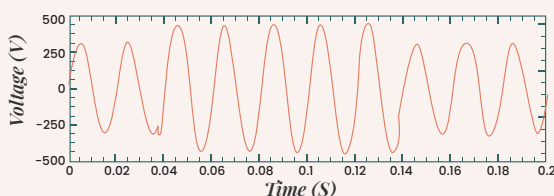
Sag



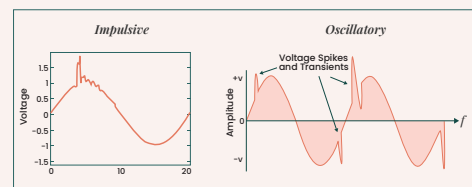
Spike



Swell



Transients



Solution

The TSi Static Voltage Regulation Technology



Voltage Regulator with Precision (VRP)

TSi Power's IGBT-based PWM Static Voltage Regulator with Precision (VRP) ensures continuous seamless voltage correction with stability amid grid problems and circuit disruptions.



Features

- **Simple design:**
It has a static design with no moving parts and has a smooth switch-on.
- **Easy installation:**
It offers effortless servicing and installation with a plug-and-play functionality.
- **Reliable and cost-effective:**
Its exceptional reliability combines high dependability with extreme cost-effectiveness.
- **Scalable Capacity:**
The cubical type in smaller capacities and the panel type in higher capacities handle a power range of 3KVA to 500KVA, without compromising stability.

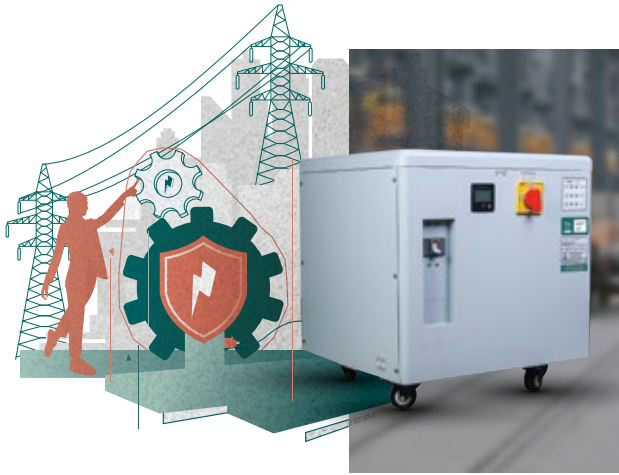
Benefits

- **Suppression of surges and spikes:**
It delivers step-less, instant real-time, precision voltage correction.
- **Efficient voltage sag elimination:**
It eliminates voltage dips during the mains cycle.
- **Regenerative load compatibility:**
It delivers exceptional handling of regenerative loads while maintaining stability
- **Automatic Bypass:**
It utilises the built-in fast automatic AC-AC Converter bypass system in case of a fault condition.



Healthy Phase Selector-cum-Stabilizer (HPS VRP)

Powered by the innovative Healthy Phase Selection (HPS) system, this three-phase precision AC voltage regulator selects the two best incoming voltage phases. It ignores the third phase and the incoming neutral, and provides a stabilised single-phase output with a fresh grounded neutral.



Features & Benefits

- It ensures an uninterrupted, pure power supply with any two incoming phases
- It maintains output voltage within a narrow range of $\pm 1\%$ of the nominal voltage
- Equipped with AC input circuit breakers and load overcurrent protection, it prevents costly equipment damage

Neutral Provider-cum-Stabilizer (NPS VRP)

The three-phase automatic AC voltage regulator brings precision power without the need for an input neutral to carry out its operation as it provides a fresh neutral on its output to enable the connection of single-phase as well as 3-phase loads.

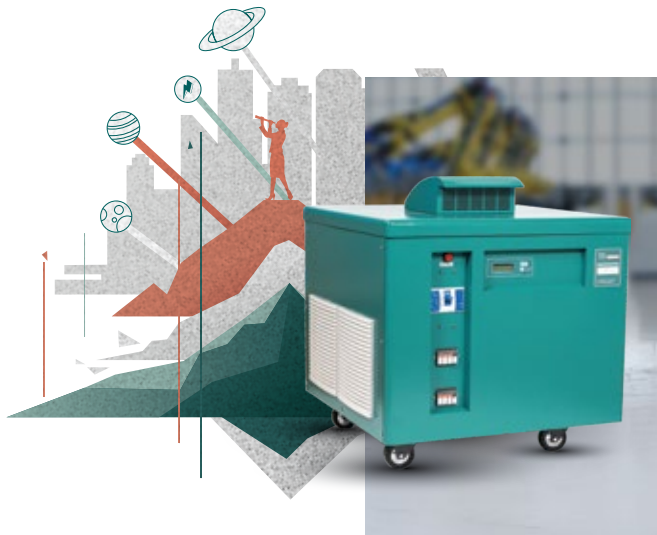


Features & Benefits

- It operates seamlessly without the need for an input neutral
- It runs single-phase as well as 3-phase loads seamlessly
- It assures a consistent output even in the event of an incoming neutral break or failure

Achal Series for CNC and Robotics

Achal Series is designed to meet the demanding electronic standards of CNC and robotic applications like inrush current, regenerative current, dv/dt and noise attenuation. It stabilises voltage levels and provides reliable power supply by ensuring output voltage within $\pm 1\%$ for exceptional regulation.



Features & Benefits

- It offers optimum voltage compensation, sag & swell control within design limits, spike and noise control
- Its built-in surge voltage protection guarantees trouble-free operation, adding an extra layer of safety for your valuable equipment
- Its AC input circuit breakers and load overcurrent protection prevent damage to machines, ensuring long-term performance

Deep Sag Corrector (SFCube)

The 'Sag Free Fluctuation Free' (SF Cube) series ensures a consistent power supply to your electronics with a rapid compensation time of 1 waveform that aligns seamlessly with the ITIC curve standards.



Features & Benefits

- It masters sag of any length, ensuring power continuity and endless sag handling
- It offers optimal sag and surge voltage compensation, along with effective spike and noise control.
- It has a wide tolerance to sudden voltage fluctuations as it handles fluctuations up to 45% of the nominal voltage while providing output voltage within $\pm 2\%$ precision.

Raptor Eye Monitor (REM)

The Raptor Eye Monitor (REM-1000) is a highly sophisticated Power Quality and Energy Monitor for all power and energy tracking needs via a local LCD screen and remote software too.



Features & Benefits

- Intuitive touchscreen with remote client access for easy monitoring and control
- Tracks all essential voltage, current, and power parameters in real time
- No license fees or subscriptions; free software updates included
- Flexible installation with various mounting kits
- Generates report on demand

Knightingale

Knightingale is a smart protection system that shields audio-visual equipment from EMI / RFI noise. It provides your AV gear with pure clean voltage, for excellent performance at all times. 'Knight' (or a warrior) + 'Nightingale' (the melodious bird), the name says it all!



Features & Benefits

- Integrated EMI and RFI filters for superior audio-visual clarity
- Compact 3U rack-mount design fits into any professional AV setup
- Quiet operation with silent fan, operating only during high heat
- Neutral to ground monitoring

Transformers

Our range of industrial transformers adjusts voltage levels for efficient power distribution for large-scale operations, ensuring safety and operational reliability.



- **Step Up Auto Transformers:**
Elevates voltage levels, ensuring stable power delivery
- **Step Down Auto Transformers:**
Reduces voltage with precision and reliability
- **Isolation Transformers:**
Provides total electrical separation between input and output
- **Ultra Isolation Transformers:**
Provides advanced filtration and isolation for highly sensitive applications
- **Noise Cut-off Transformers:**
Eliminates unwanted electrical noise, ensuring clean and stable power
- **Special Purpose Transformers:**
Offers adaptable power solutions with engineered precision
- **Neutral Compensation Transformers:**
Stabilises shifting neutrals and balances unbalanced loads

Industrial Applications

Auto & Auto Ancillary

CNC machines, EDM machines,
Paint shop, Power presses,
Power tools, Robots, Welding



Building Management

Lifts, Home automation,
Residences, Lighting, Home
theatres, HVAC, Refrigeration



CNC & Robotics

CNC lathes, mills, drills, grinders, VMCs,
lasers, and plasma cutters, CNC robotics,
automation and process control, CNC
machinery



Engineering & Process Industry

Welding machines, EDM machines,
CNC machines, Conveyor Drives,
Laser-cutting machines



Oil & Gas

Petrol pumps, CNG pumps,
EV charging stations



Plastic Processing

Blow moulding, Rubber moulding,
Injection moulding, Extrusion
moulding



Printing & Packaging

Textile printing, Packaging machines,
Paper printing machines, Packaging
printing machines



Radar, Security & Telecom

Telecom towers, Radar stations,
Lighting, Baggage screening
machines



Textile

Preparatory, Processing, Spinning,
Printing, Weaving, Embroidery, Knitting



Woodworking

Wood machine manufacturers,
Wood-peeling machine builders



and many more...

Testimonials

“

“TSi VRP has been powering our machines including HAAS CNC and Hyundai WIN machines and we are extremely satisfied with the technology and performance. We have not faced any problem.”

 **Phillips**
MACHINE TOOLS

“

“We have installed TSi VRP in our PICANOL Looms at the Amravati plant. We are happy to certify that we found the right technology in TSi VRP Static Voltage Regulators. VRP is an excellent technology product, ideally suited for energizing textile machinery.”

 **Raymond**
Luxury Cottons

“

“We did a 5-week trial with TSi VRP on our Kellenberger Grinding Machine and we found that the frequent breakdowns due to power were completely resolved.”

 **JYOTI**

“

“Unbelievable results experienced from VRP for robot and welding applications. We installed more than 400 units.”

 **HWASHIN**

Testimonials



"The performance of VRP is very good. During the trial period, there was no need for routine maintenance or checkup as compared to servo voltage stabiliser. Space required was very less. Aesthetically it was very good. Easy to shift from one machine to another, as it is lightweight."

TATA MOTORS



"We conducted extensive trials of TSi VRP on a variety of CNC machines. We found that VRP does not become unstable under any type of CNC load, even regenerative type CNC machine and it gave exceptionally consistent performance. We found TSi to be an exceptionally good technology."



"VRP is really a good product. After VRP and additional surge protector installation, we have not faced any problem so far."



"We took a 15-day trial for a 50 KVA unit to understand technology and performance. We found 10% saving after installation where output voltage is 400V (+/- 10%). After successful results, we bought 5 units."



Our Channel Partner Network



Global

BANGLADESH
INDONESIA
KENYA
MALAYSIA
NIGERIA
NEPAL
SINGAPORE
TANZANIA
TURKEY
UGANDA

Within India

AHMEDABAD	GURGAON	MEERUT	RAJKOT
ALIGARH	GUWAHATI	MIRAJ	SECUNDERABAD
AURANGABAD	HYDERABAD	MUMBAI	SONIPAT
BANGALORE	INDORE	NAGPUR	SURAT
BHARUCH	JAIPUR	NASHIK	THRISSUR
BHILWARA	JALANDHAR	NAVI MUMBAI	VADODARA
CHANDIGARH	KANPUR	NEW DELHI	YAMUNANAGAR
CHENNAI	KARNAL	NEEMUCH	
COIMBATORE	KOLHAPUR	NOIDA	
FARIDABAD	KOLKATA	PUNE	

Authorised Channel Partner



ABB India has a vertical for Critical Power Solutions, engineering products including Medium Voltage UPS and Automatic Voltage Conditioners (AVC). TSi Power is the first authorised channel partner for these products in India. Please reach out to us for more details on info@tsipower.in.

Connect with us



If you would like a demo of our product or join us as our channel partner or work with us at TSi or for any other query, Team TSi will be happy to assist you. 😊

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