TECHTEAM ASSEMBLED SOLUTIONS & SERVICES

OUR HTE TECHTEAM

Provides comprehensive skill sets and industry application experience across a broad range of technologies and industrial applications including:

- Cooperative “proof of concept” integration
- Cooperative OEM design / build / program / test
- Machine refurbishing / upgrading to the latest technologies
- Technical skill training services

FLUID POWER • HYDRAULICS • PNEUMATICS

- New system / circuit design, fabrication and installation
- Existing system / circuit troubleshooting and re-design
- Customized training classes at HTE or at your facility
- Custom kitting / sub-assembly for OEM applications
- Industrial and mobile applications

AUTOMATION CONTROLS • VISION SENSORS • SAFETY

- Robot specification, programming and implementation
- Cognex machine vision systems – application, verification and training
- Mitsubishi PLC training – hands-on programming
- Plant application programming and start-up assistance – lab development
- Direct part marking
- Sample processing / contract marking services

COLLABORATION SERVICES with SPECIALTY INTEGRATORS

HTE Technologies Motion & Control Division
TECHTEAM ASSEMBLED SOLUTIONS & SERVICES

CUSTOM EQUIPMENT FABRICATION
PROOF OF APPLICATION CONCEPT
CUSTOM PANEL DESIGN & ASSEMBLY
PARTS KITTING & SUB-ASSEMBLIES
MODULAR ASSEMBLIES
MACHINE REFURBISHING & UPGRADES
IMPROVEMENT AUDIT SERVICES
JOINT ENGINEERING
PROGRAMMING SERVICES
TECHNICAL TRAINING

Customer Solutions for Increased Industrial Productivity

The HTE TECHTEAM is an engineering collaboration focused on delivering leading edge manufacturing solutions for maximizing factory throughput with the goal of increasing your global competitiveness.

The TECHTEAM partnership is comprised of our HTE engineering, auditing, training, and field service support staff, our equipment and software vendor’s support teams, and any integrators or contractors we need to involve to ensure your process engineering and technical staff have all the support they need.

ROBOTICS

Rethink Robotics  Baxter and Sawyer, the U.S. made collaborative industrial robots that team up with people outside of safety cages, and require no expensive programming or integration.

Adept Technology  An Intelligent Robot for Every Application

Intelligent Actuator (IAI)  Easy-to-Use Programmable Actuators (RoboCylinder), Multi-axis Cartesian Systems, Scara Robots, Servo Grippers

Mitsubishi  4, 5, or 6 Axis Configurations, RISC Processor Controllers, Programming Software, Integrated Robot Controls with PLC and Motion

ABB Robotics  Robots that Improve Productivity, Product Quality and Worker Safety.

1.800.444.4831  www.htetech.com
VISION & SENSORS

Cognex 2D and 3D Machine Vision Systems, “Checker” Simple Image-Based Inspection Systems, Dataman Image-Based 1D & 2D Code Readers

Balluff Product Detection Sensors (Proximity, Photo-Electric, Ultrasonic, Laser), Linear Measurement, Light Array Measurement, and Encoder Systems

Parker Pressure Transducers, Vacuum and Actuator Sensors

Tri-Tronics High-Speed, High-Resolution Fiber Optic Sensors, Color Sensors, General Purpose Optical Sensors

Delta Computer Systems Photo Electric Color Sensors

Fraba Absolute Rotary Encoders, Fieldbus Systems, Industrial Ethernet Protocols, Inclinometers, Non-contact Speed Sensors

Migatron Ultrasonic Sensors

Spectrum Illumination Machine Vision Lighting

RFID / PARTS TRACEABILITY / DIRECT PART MARKING

Cognex Dataman Image-Based Bar Code Readers, Camera-Based Optical Character Recognition, Hand-Held Bar Code Readers

Balluff RFID Systems, High Durability ID Tags, Inductive ID Systems

LNA Laser Technology Part Marking Fiber Lasers, Welding Lasers, Bare Lasers and Full Systems Available

Intermec RFID, Printers, Media, Bar Code Scanners, 2D Matrix Readers, Networking, Code Scanning Networked PDAs and Software
ENCLOSURES & STRUCTURAL FRAMING

Rittal  Industrial Enclosures (Free-Standing Modular, Wall-Mount, Junction Box, Stainless Steel), Self-Contained Air Conditioning, Heat Exchanger and Ventilation Units


Parco  T-Slotted Aluminum Extrusion, Structural Framing, Grooved or Smooth Profiles, Kits, Full Assemblies, 3D Designer

CONNECTIVITY

Balluff  Industrial Cordsets, Active (Network) and Passive Sensor Interface Blocks, Non-contact Power and Signal Transmission, Power Supplies

Advantech  Industrial PC, WEB-OP, HMs, Communications Gateways, Managed and Unmanaged Ethernet Switches

Murr Elektronik  Industrial Chordsets and Connectors, Active (Network) and Passive Interface Blocks, Power Supplies and Conditioning, Panel Interface

MB Connect Line  Ideas and Solutions for Remote Maintenance

Wago  Din Rail Terminal Blocks with Cage Clamp® Technology, Field I/O Systems, Programmable Network Interfaces, Power Supplies
HYDRAULICS

Parker  Accumulators, Cylinders, Filters, Hose, Fittings, Motors, Power Units, Proportional Valves, Pumps, Rotary Actuators, Servo Valves, Shock Absorbers and Valves

Delta Computer Systems  Hydraulic Multi-axis Motion and Pressure Controllers

Control Line  Custom Actuators and Valves

Daman Manifolds  Valve Manifolds

Magnaloy  Couplings, Manifolds, Motor Adapters, and Reservoirs

SAI Hydraulics  Gearboxes and Radial Piston Motors

ENFM  Pressure and Temperature Gauges

Stauff  Couplings, Filters, Tube Clamps and Valves

Thermal Transfer  Heat Exchangers

Vescor  Pump / Motor Accessories, Reservoirs and Valves

Winters Instruments  Gauges

HTE Fluid Power Repair Services  Pumps, Motors, Cylinders, Valves and Power Units

PNEUMATICS

Parker  Complete Family of Pneumatic Components: Cylinders, Valves, Network Valve Manifolds with I/O, Linear Slides, Rotary Actuators, Grippers, Tubing, Fittings, Filters/Regulators/Lubricators

Clippard  Miniature Pneumatics (Mechanical and Solenoid Actuated), Air Logic Components, Proportional Valves, Custom Valving Solutions

Proportion Air  Proportional Pressure Regulators, Proportional Flow Regulation, Precision Booster Regulators for High Flow Applications and Non-air Applications

Control Line  Custom Actuators and Valve Assemblies, Air/Oil Intensifiers

Mead  Air-Operated Press Cylinders, Presses and Valves

Multicyl  Air Over Oil Press for Hole Punching, Notching, Shearing, Tube Piercing, Assembly and Metal Joining; Individual Cylinders, Complete Turn-Key Punching Solutions

Vac Cube  High-Efficiency Venturi Vacuum Generators, Suction Cups and Adapters

HTE Technologies Motion & Control Division
AUTOMATION CONTROLS / PROGRAMMABLE ACTUATORS

Mitsubishi  Programmable Logic Controllers, OIT, Servo Systems, Motion Controllers, VFDs, Linear Motors

Advantech  Rugged Industrial PCs, Touch Screens, Touch Screen Computers, Ethernet Switches, Network Interface Adapters

Apex Dynamics  Precision Planetary Gear Heads, Fast, Affordable, Precision. Straight- and Right-Angle

Delta Computer Systems  Multi-axis Motion Controllers

R+W Coupling Technology  Precision Servo Couplings, Mechanical Torque Limiters, High Stiffness Torque Tubes and Jack Shafts

Wago  Programmable I/O to Support All Major Network Interfaces, Industrial PCs

AMP (Applied Motion Products)  Stepper Motor Drives, Two-Phase Hybrid Step Motors, Encoder-Feedback Stepper Drive, Integrated Drive + Motors

Animatics  Smartmotors: All-in-One Motor/Control Systems. Advanced Communication and Motion in an All-in-One Package

Bishop Wisecarver  DualVee-Based Linear Actuators, and Linear and Rotary Motion Systems

World-Wide Electric  Affordable AC Induction Motors, DC Motors

MACHINE SAFETY

ABB (Jokab Safety)  PLCs, Safety Light Curtains, Stop Time Analyzers, Non-contact Safety Sensors, Interlocks, Switches, Monitoring Relay, Safety Mats and Perimeter Guarding Systems

Balluff  Robot-Based Limit Switches

Parker  Pneumatic Lockout Valves, Pneumatic Rod Locks, Monitored Hydraulic Valves
HTE MOTION & CONTROL DIVISION

MOTION & CONTROL DIVISION
- Hydraulics
- Pneumatics
- Sensors
- Machine Vision
- Parts Traceability / Direct Part Marking
- Automation Controls / Actuators
- Robots
- Machine Safety / Aluminum Extrusions

TECHTEAM Assembled Solutions & Services
- Training

POWER & PROCESS EQUIPMENT AND RENTAL DIVISION
- Air Energy Audits
- Engineered Compressed Air Equipment Solutions
- Rental Compressors
- Planned Maintenance & Emergency Services
- Blowers & Vacuum Pumps
- Plant Process & Utility Equipment
- Process Water Conditioning Solutions
- Training

PRODUCTION & MAINTENANCE DIVISION
- Fluid Connectors – Hoses, Fittings, Adapters, Couplings
- Tools – Air / Electric / Battery DC Electric
- Lubrication Systems & Pumps
- Hoists & Winches – Air / Electric
- Material Handling – Lifting Positioning / Vacuum Lifting Manipulators
- Ergonomic Work Stations
- Hydraulic Maintenance Tools & Workholding Devices
- Abrasive Blast Cabinets Media / Rooms
- Training

TECHTEAM ASSEMBLED SOLUTIONS & SERVICES
- HTE Auditing Services
- Programming Support
- Hydraulic Pump / Cylinder Repair
- Custom Fabrication of Hydraulic Power Units & Lubrication Systems
- Machine Upgrades
- Custom Panel Design & Assembly
- Kitting Sub-Assemblies
- Material Handling Systems
- Skidded & Containerized Compressor Packages & Installation

Over $8 Million in Inventory

Emergency Service - 314.726.9823

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