AUTOMATION & ROBOTICS

SOLUTION BUILDING BLOCKS

VALIN ®
PROCESS CONTROL & AUTOMATION

ROBOTICS & END-OF-ARM-TOOLING

Example Products

Powerful industrial robots for high-speed, precision manufacturing, packaging, and factory automation, along with cleanroom and wash down rated robots. Proof of concept and demos are available.

- 4-Axis SCARA
- 6-Axis Articulated
- Mobile Robots
- Parallel Robots
- Cartesian Robots
- Tabletop Robots
- Collaborative Robots
- Cable Management

- Vacuum grippers
- Electric grippers
- Adaptive grippers
- Collaborative grippers
- Pad-style grippers
- Food-grade grippers
- Multi-gripper adapters
- Custom engineered

ACTUATORS & LINEAR MOTION

Example Products

Whether you need push/pull motion or rotational motion, Valin has you covered. Cleanroom types and splash-proof/dust-proof types available.

- Single Axis
- Slider Type
- Rod Type
- Table/Arm/Flat Type
- Gripper Type
- Rotary Type
- Servo Press
- Linear Servo Actuator

- Cleanroom Actuators
- Splash-Proof/Dust-Proof Actuators
- Ball Screws
- Ball/Roller Rails
- Belt & Pulleys

MACHINE SAFETY

Example Products

Safety Components are required for safety countermeasures in equipment and facilities. They are used for shut-out detection of mechanical guards, checking intrusion into hazardous areas, and building safety circuits.

- Light Curtains
- Sensors
- Door Switches
- Limit Switches
- Emergency Stops
- Switches/Interlocks
- Relays

- Controllers
- Mats
- Laser Scanners
- Relays/IO/PLC
- Risk Assessments
- Safety Validation
- Safe Design services

CONTROL SYSTEMS

Valin has application engineers who can assist you with choosing and configuring the correct control system for your application, programming, troubleshooting, system architecture and training.

- Machine Automation Controllers
- Programmable Logic Controllers (PLCs)
- Compact PLCs
- Modular PLCs
- Rack PLCs

- Communications
- Motion Controllers
- Temperature Controllers
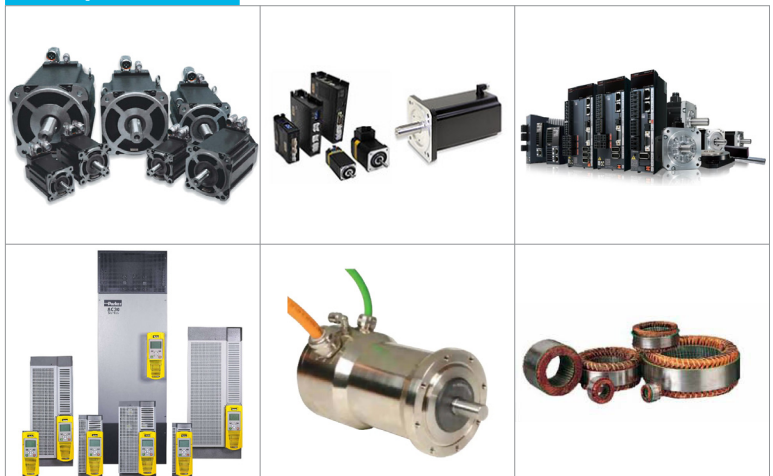- Industrial Computers
- Control Panels

Example Products

MOTORS & DRIVES

Advanced motion control products for the semiconductor, defense, automotive, aerospace, biomedical, and packaging industries.

- Servo Drives & Motors
- Stepper Drives & Motors
- Intelligent Drives
- Intelligent Motors
- Kit Motors
- VFD's
- Gearboxes

- Cabinet-less drives
- Linear servo motors
- Custom motors
- Washdown motors
- Extreme environment motors

Example Products

PNEUMATICS & VACUUM

Pneumatic and vacuum products and solutions for the Machine Automation, Analytical, Medical, and Process Industries.

- Actuators
- Grippers
- Single valves
- Valve manifolds
- Air preparation
- Fieldbus couplers
- I/O modules
- IIoT devices

- Safety modules
- Clamps
- Vacuum lifts & cranes
- Pneumatic cabinets
- Accessories

Example Products

VISION & SENSING

Vision Sensors/Machine Vision Systems analyze images to perform appearance inspections, character inspections, positioning, and defect inspections.

- Vision Systems
- Vision Sensors
- Photoelectric Sensors
- Mark Sensors
- Proximity Sensors
- Area Monitoring Fiber Sensors

- Measurement Sensors
- Ultrasonic Sensors
- Encoders
- RFID
- Barcode Readers

Example Products

SIGNAL TOWERS, ALARMS & HMI'S

Indicating lights and sound alarms enhance the safety and efficiency of workplaces. Human Machine Interface systems give operators complete control of the plant/manufacturing floor in one central location.

- Signal Towers
- Harsh Environment Towers
- Revolving Warning Lights
- Audible Alarm
- Voice Synthesizers
- LED Lighting
- Network/Wireless Alarms

- Dedicated HMI
- Windows HMI
- Industrial Monitors
- Industrial Panel PC's

Example Products

NETWORKING AND I/O

Networking is the glue that holds many control systems together. It is the road over which we can best take advantage of the capabilities of modern-day control systems. Today, we can get any information you want from wherever it is to wherever you want it. We use a variety of technologies to develop these solutions.

- IIoT Gateways
- Data Collection
- Ethernet Networking
- Wireless Networking
- Remote Secure Routers
- Network Adapters

- Protocol Convertors
- Media Convertors
- I/O Devices
- Firewalls
- Cabling Solutions
- Cable Management

Example Products

MOTION CONTROL & AUTOMATION

Valin is the smart systems solution provider that makes high technology possible. No matter what your Automation needs are, Valin can move it, measure it, monitor it, sense it, control it, network it and safeguard it.
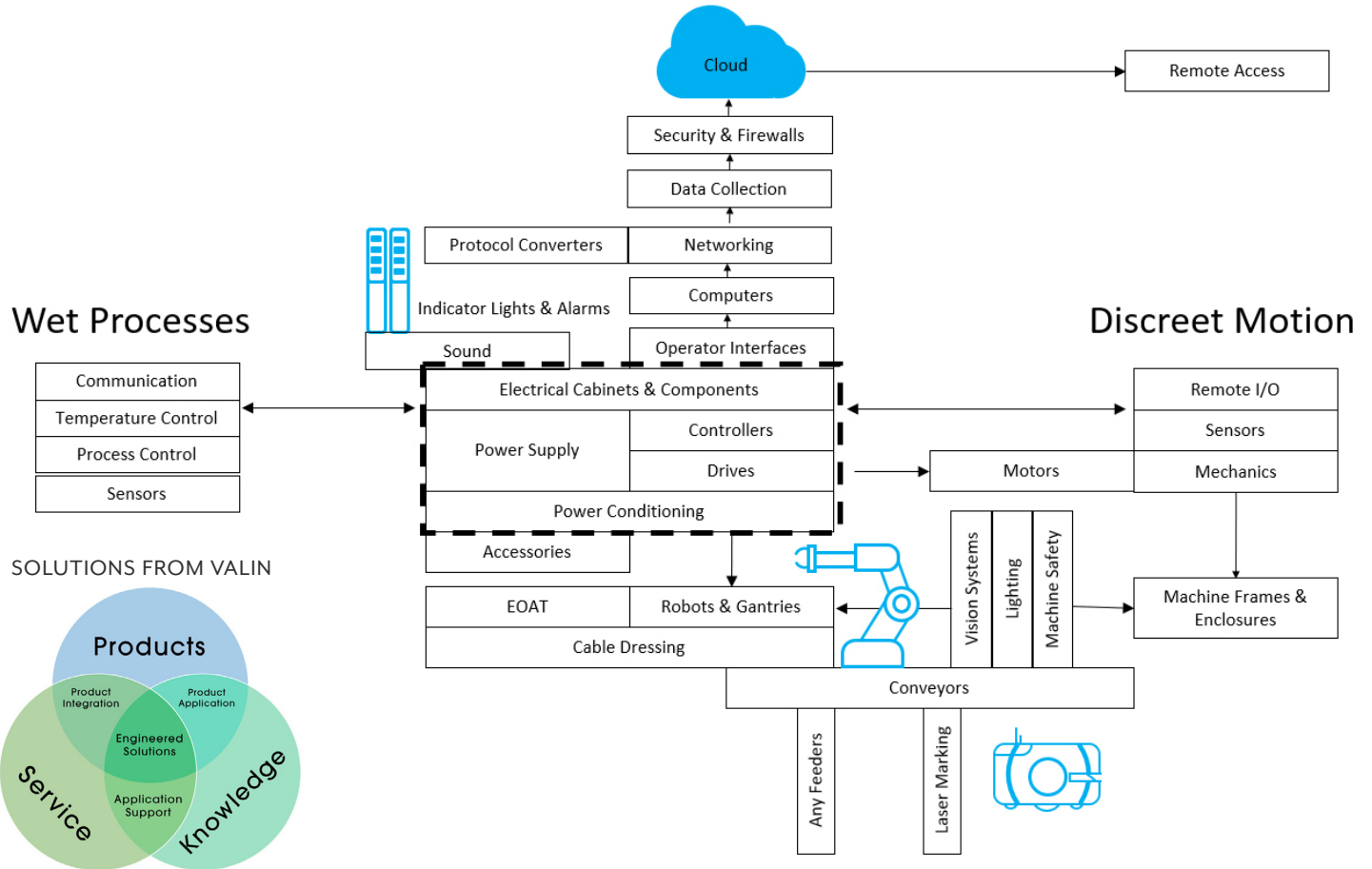
Valin represents some of the world's largest and leading edge manufacturers of industrial automation and motion control systems. The technologies include photoelectric and proximity sensors, laser measurement systems, machine vision systems, and RFID data tracking systems. Valin also provides a broad range of top-rated products and supporting control components that save energy, improve quality, accuracy and precision.

Valin Corporation and the motion control and automation technical team are members of the Association for High Technology Distribution (AHTD) and the Motion Control & Motor Association (MCMA).

ASSOCIATION FOR HIGH TECHNOLOGY DISTRIBUTION **AHTD**

mcma Motion Control & Motor Association | MOTION CONTROL ONLINE

AUTOMATION BUILDING BLOCKS

Cloud → Remote Access

Security & Firewalls

Data Collection

Protocol Converters | Networking

Indicator Lights & Alarms | Computers

Sound | Operator Interfaces

Wet Processes

| Communication |
| Temperature Control |
| Process Control |
| Sensors |

Discreet Motion

Electrical Cabinets & Components

Power Supply | Controllers

Drives

Power Conditioning

Accessories

EOAT | Robots & Gantries

Cable Dressing

Vision Systems | Lighting | Machine Safety

Motors

| Remote I/O |
| Sensors |
| Mechanics |

Machine Frames & Enclosures

Conveyors

Any Feeders | Laser Marking

SOLUTIONS FROM VALIN

Products

Product Integration | Product Application

Engineered Solutions

Service | Application Support | Knowledge

LOCATIONS

San Jose, CA (Corp. Headquarters)
Chandler, AZ
Bakersfield, CA
Livermore, CA
Santa Ana, CA
Denver, CO
Kalispell, MT
Portland, OR
Austin, TX
Houston, TX
Salt Lake City, UT
Tukwila, WA

Alaska

Hawaii

VALIN®
PROCESS CONTROL & AUTOMATION