

Material Handling

ComTech provides many different types of solutions for material handling.

- Die Cast Machine Extraction
- Trim Press Load/Unload
- CNC Machine Tool Load/Unload
- Palletize and Depalletize Parts
- X-Ray Machine Load/Unload



Material Application

Robotics provide the ultimate in precision for applying materials.

ComTech solutions include:

- Dispensing Applications for Adhesives
- Coating Applications
- Material Spraying



Customer Service

ComTech takes pride in their customer service. We understand that good customer service is required before, during and after the sale.

All large jobs are assigned a **ComTech** project manager to ensure that projects stay on time and on target.

Services range from routine maintenance to installing full turn-key systems. **ComTech** also offers on-site service for other pieces of manufacturing equipment.

If you need a partner to improve your production efficiency **ComTech** has the tools and engineering resources to get the job done on time and on budget.



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Robotic Systems & Automation
Specializing in the Die Cast & Aluminum Foundry



ComTech

Combined Technologies Group, Inc.
A Solutions Provider for the Production Industry

ComTech is an automation systems integrator who specializes in robotic automation of the aluminum high pressure die cast and aluminum foundry.

Typical robotic applications include material handling, material removal, spraying, dispensing and CNC machine load/unload.

Located in Dayton, **ComTech** resides in a 50,000 square foot building where all of the systems engineering, design, assembly and system run-offs take place.

ComTech enjoys the distinction of being a FANUC Robotics level IV integrator and ranks among their top performers.

ComTech Products

Die Lube Mixer

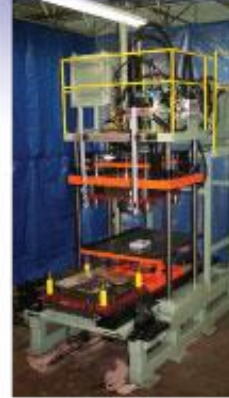
- Portable or Fixed
- 30 to 55 Gallon Reservoirs
- 115V or Pneumatic Pump
- Dosatron Proportioner
- Pneumatic Tank Agitator
- Stainless Steel Tank and Lid



Trim Presses

Shuttle Bed Trim Presses

- 30 to 50 ton capacity
- Bed shuttles forward for easier die change
- Bed rotates 140 degrees to allow discarding of trimmed biscuit and flash
- Used in conjunction with extraction robot to provide safe and efficient working environment.
- Maintenance free lubrication system
- LVDT is mounted on ram permits quick and accurate die operation and changeover.



Robotic Integration

Robotic Sawing

- Robot Carried Saw
- Robot carried part into fixed saw



Robotic Spraying

- Accurate Placement of Lube
- Can spray hard to reach areas
- No maintenance required of robot vs a mechanical reciprocator



Robotic Lading

- Accurate and consistent pouring of metal
- Able to dress skim surface prior to dipping which enables higher quality pours with less porosity.
- No maintenance required of robot vs a mechanical reciprocator