



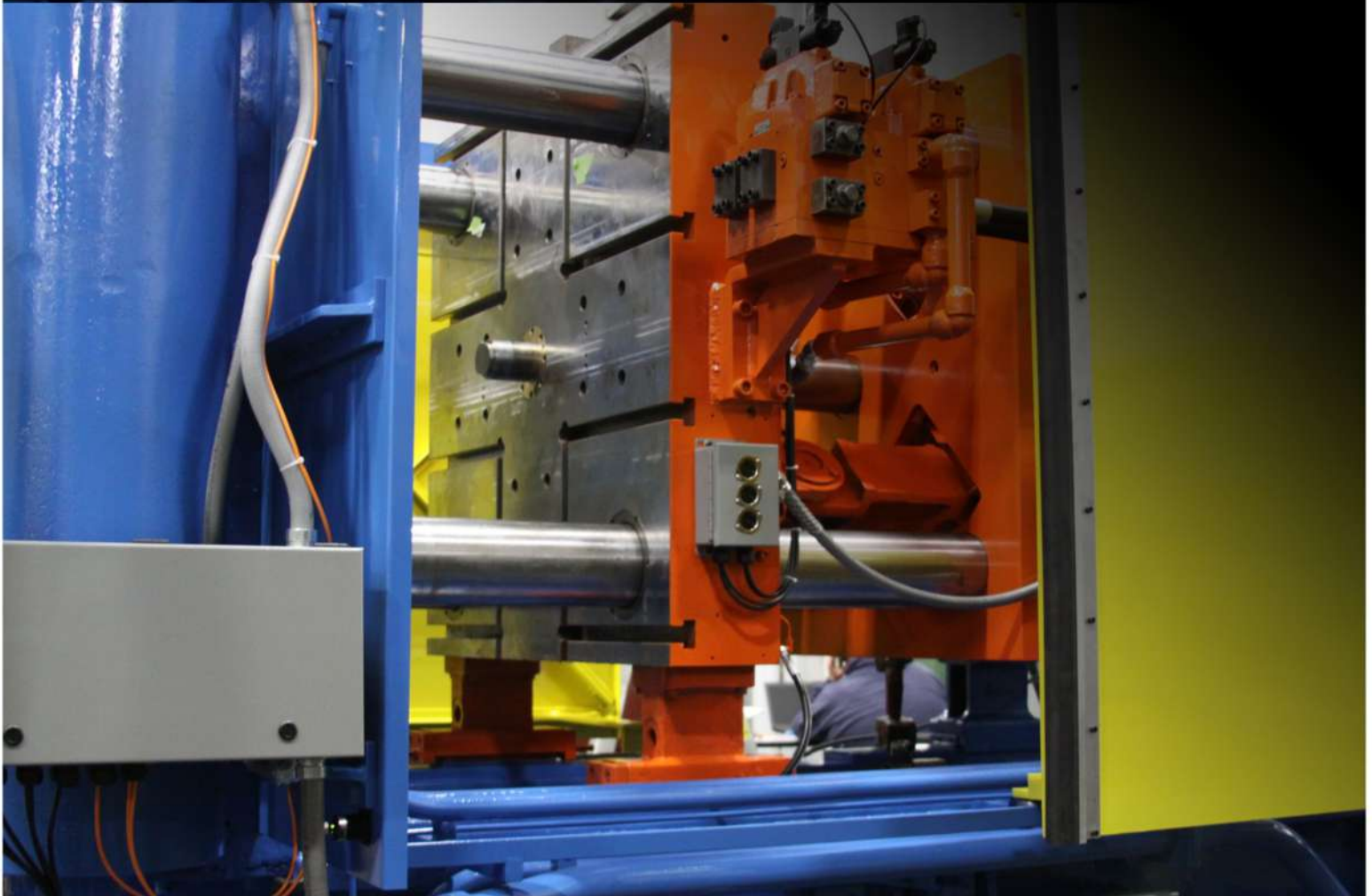
Molders Services Inc.

MSI is a domestic manufacturer of injection end components: screw tips, nozzles, barrels, screws, end caps and shut-off nozzles, and is a supplier of standard and custom-manufactured tie bars, tie rods and nuts.

Almost 40 Years of Experience

At MSI we combine nearly 40 years of in-plant diagnostics and troubleshooting in the plastics industry with nearly 40 years of part manufacturing and design experience. The result is components that solve molding problems.

Machine Rebuilding Services



From simple equipment updating and worn parts replacement to a complete remanufacturing of your machines, you can trust Molders Services

- Comprehensive remanufacturing
- Standard machine rebuilding
- Inspect / replace injection end components
- More

**Call Us Today:
248.585.8120**

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Pontiac, MI 48340

www.moldersservices.com



MSI, in conjunction with our strategic partners, can design your machine rebuild projects according to your requirements and budget. We always provide a written quotation and detailed scope of work for your consideration before beginning a project. And we back our work with a full one-year warranty.

Services We Offer

- Comprehensive remanufacturing
- Standard machine rebuilding
- Top Half Rebuild
- Linkage Sets including our "Swap Out" Program
- Inspect / replace injection end components
- Replace proprietary components (such as valves) with off the shelf components
- Hydraulics, Lubrication, PLC, Platens, Linkages, Tie Bars and more

Comprehensive Remanufacturing

Our comprehensive remanufacturing and standard rebuild process starts with an intensive analysis of machine systems and full disassembly. We thoroughly clean the machine and components. Our engineers conduct a complete inspection to determine level of wear and functionality. We then provide a written quotation detailing a recommended scope of work.

You specify the machine to be either restored to its original OEM specifications (rebuild) or updated to current technologies (remanufacture).

Once the project is complete, we test the machine at full capacity to ensure optimum performance prior to return to your facility. Your machine will be completely painted and safety labels and guards provided. Our technicians are available to supervise onsite start-up and machine operation. Full documentation of the project is provided along with a one-year warranty.

Top Half Rebuilding

- The movable platen and the toggle carrier platen are addressed
- Tie bars are chased and inspected for any damage and cracks
- Nut threads are chased and inspected for cracks.
- The mating surfaces (where the linkage is bolted) are "skinned" to assure they are parallel and perpendicular
- The closing cylinder is removed, rebuilt and tested to ensure proper functionality
- As an option, you may also choose to re-qualify the stationary platen; however, this is usually unnecessary

Linkage Sets or our "Swap Out" Program

A linkage set project involves everything in between the movable platen and the toggle carrier plate, including crosshead, links, levers, bell cranks, and e-bosses.

- We thoroughly clean and inspect for damage, wear and cracks. New bronze bushings and alloy toggle pins are provided and installed.
- All bores are honed and precision-verified by master gages. All linkage centers are returned to OEM specifications
- The crosshead is re-qualified and re-bushed
- Lubrication is repaired or replaced as needed and all lube holes are cleaned and chased
- The linkage is then painted and returned to you via your instruction
- The "Swap Out" Program provides you with an opportunity to access our inventory of linkage sets. We can help minimize downtime by beginning your rebuild program using an available linkage set while you continue to run the machine and verify dimensions

Molders Services stands ready to serve and support you every step of the way!

At Molders Services we take great pride in our leadership status in the plastic molding equipment service business. And we make house calls! Our skilled technicians will come to your facility to inspect and identify problems and then provide the industry's most trusted parts, components, repair, rebuilding and remanufacturing services under your direction.

