Plastic Injection Moulding Support

Balbird supports plastic component production on **Milacron Nova Servo 150-ton** and **Toshiba TS Servo 150-ton** injection moulding machines. Through its partner network, requirements from **100T to 850T** injection moulding, vacuum casting and RIM processing can be reviewed. Send part details to start an RFQ.

2 × 150-ton Milacron Nova Servo, Toshiba TS Servo	**100T–850T** Injection moulding via network	**Vacuum casting, RIM** Network; confirmed per RFQ

Built for product and purchase teams who need moulded housings, covers and functional parts, or support from prototype to production moulding.

Buyer problems we help solve

- Moulded parts needed in small to medium volumes.
- Functional prototypes before committing to production tooling.
- Need for tool design, build and maintenance support.
- Parts that exceed 150-ton capacity.
- Supplier consolidation across moulding and secondary processes.

Technical capability

Parameter	Capability
In-house machines	Milacron Nova Servo 150-ton; Toshiba TS Servo 150-ton.
Injection pressure	1731 bar (Milacron) and 2022 bar (Toshiba), as machine-rated values.
Shot weight	336 g (Milacron) and 402 g (Toshiba), machine-rated. Actual limits depend on material and mould.
Partner network	100T–850T injection moulding, vacuum casting and RIM processing. Availability confirmed per RFQ.
Materials	Supported resin families and grades, including engineering plastics, are confirmed per RFQ. Colour, additive and recycled-content requirements should be stated.
Tooling	Mould ownership, tool design and build support, tooling lead time and mould maintenance are stated in the quotation.
Sample approval	Samples can be submitted for approval before production release.

Machine models and ratings are as shown on the Balbird website. Material-specific limits are confirmed per RFQ.

Components and applications

Typical parts include:

- Engineering plastic components
- Housings and covers
- Functional prototypes
- Hybrid assemblies with inserts

Materials and design inputs

- **Required inputs:** 3D model and 2D drawing, part weight and dimensions, resin and grade, expected annual volume.
- **Quality inputs:** cosmetic class, tolerances, inserts and certification needs.
- **Tooling:** existing tooling status, or design and build requirements.
- **Design-for-manufacturing:** we review wall thickness, draft and gating before tooling is committed.

Quality and documentation

- Dimensional and visual inspection against agreed criteria; the scope is set at quotation.
- Sample approval before production release.
- Material certificates can be discussed at RFQ stage.

- Share any certification requirements with your RFQ.

How an order is executed

1. Enquiry	You send a drawing or requirement through the capability enquiry page or by email.
2. Feasibility review	We check drawing, material, tolerances and quantity, and clarify open points with you.
3. Quotation	You receive a quotation with scope, assumptions and lead-time basis.
4. Facility confirmation	We confirm the manufacturing route and whether work runs in-house or through the partner network.
5. Sample / approval	Where required, a sample or first piece is approved before the batch is released.
6. Production & inspection	Work is made and checked against the agreed drawing and inspection scope.
7. Dispatch & support	Parts are packed and dispatched; any issue is raised and resolved with our team.

Commercial and logistics

- Lead time depends on tooling status, material, volume and workload; tooling lead time is stated separately.
- Tooling charges and mould ownership terms are stated in the quotation.
- Partner-network services are labelled as such and confirmed per RFQ.

Frequently asked questions

What injection moulding machines do you have?
Milacron Nova Servo 150-ton and Toshiba TS Servo 150-ton. Larger tonnages, 100T to 850T, are available through our partner network.

What is the maximum shot weight?
336 g and 402 g on the two machines as machine-rated values. Material and mould affect the practical limit.

Can you supply the mould?
Tool design and build support is available. Ownership and lead time are stated in the quotation.

Do you offer vacuum casting or RIM?
Yes, through our partner network, with availability confirmed per RFQ.

Which materials can you mould?
Resin families and grades, including engineering plastics, are confirmed per RFQ.

What do you need for a quote?
Part model, weight, resin, annual volume, cosmetic class, tolerances and tooling status.

To receive an accurate quotation, please share:

- Drawing (2D) and/or 3D model, with revision number
- Material specification and grade; certificate needs, if any
- Critical dimensions, tolerances, surface finish, inspection needs
- Part weight, resin and grade, cosmetic class, inserts and tooling status
- Quantity, batch size, annual demand and repeat frequency
- Target delivery date and delivery location
- Finishing, coating, assembly, packaging or export requirements
- Quality standards or customer-specific requirements
- Contact person and preferred communication method

Have a drawing or production requirement?

Send your drawing, material specification, quantity and delivery target to Balbird for a feasibility review. Our team will clarify the requirement and confirm the appropriate manufacturing route, capability and quotation process.

Enquiry page: [add website]/capabilities/plastic-moulding/enquiry
Email: [add enquiry email]
Website: [add website]

Limits shown are indicative and depend on material, geometry, tooling, machine and supplier availability. Network or subject-to-feasibility services are confirmed per RFQ before quotation.