

IntElect = highly precise





IntElect

IntElect is the result of decades of engineering competence and you can benefit from it!

Your technical advantages:

- All-electric injection moulding machine with specifically developed innovative high-torque direct drives
- activeDynamics guarantees highest precision due to particularly quick response and unsurpassed reproducibility
- Greater safety and reliability in processes with the closest tolerances
- Highest energy efficiency

Your economic advantages:

- Increased productivity for higher profit and fast return of invest
- Lower investment costs for your production infrastructure

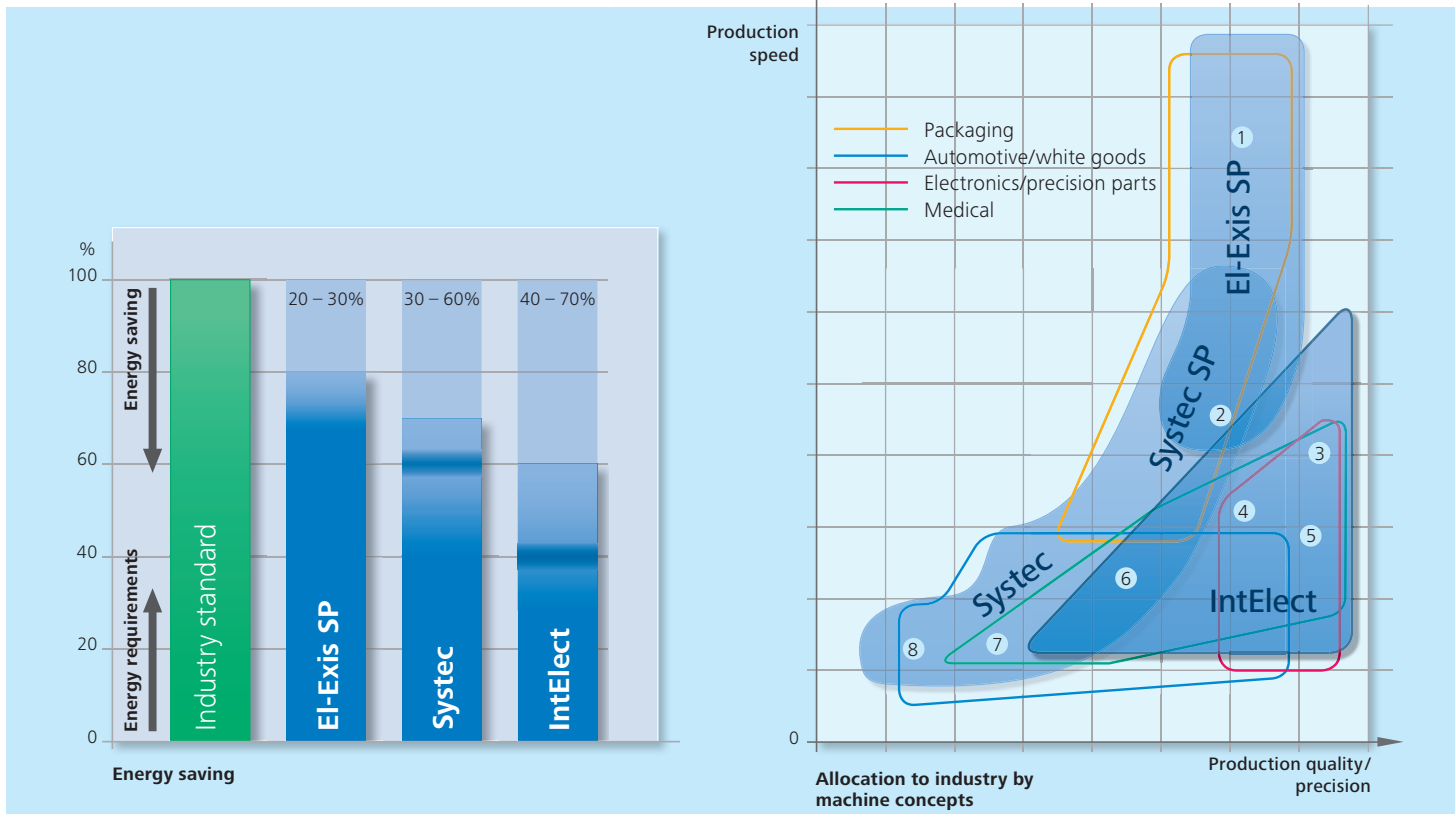
Your benefit:

- Maximum product quality and increased productivity
- Higher production efficiency with significantly lower overall operating costs
- Resource-saving technologies

Think green – act blue!

BlueTechnolution

For Sumitomo (SHI) Demag, environmental awareness and environment-friendly action go hand in hand with the most advanced application-oriented technologies in all areas of injection moulding. All our products are characterised by high energy and production efficiency.



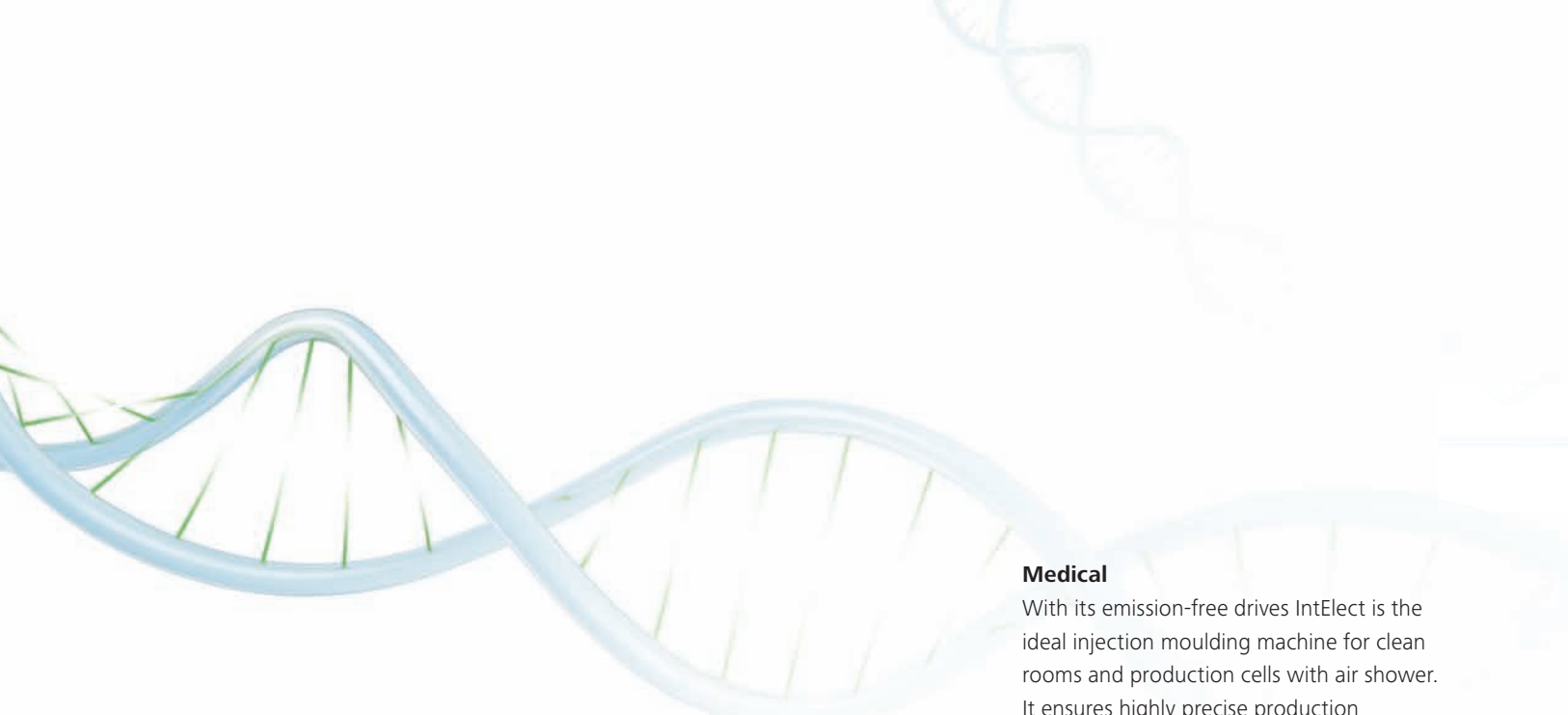
Energy saving

Energy and resource consumption are still the key cost factors in the production of plastic products. With our BlueTechnolution philosophy we help to drastically reduce energy needs and the carbon footprint in the area of injection moulding.

Industry expertise

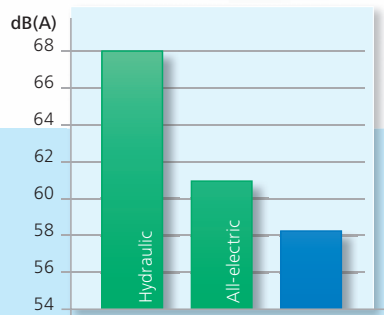
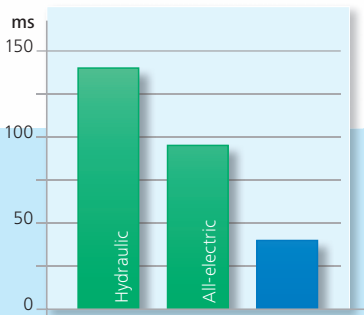
Decades of experience have given us a very good knowledge of the requirements of a variety of industries. This puts us in a position to support customers with optimum product solutions which due to their particular efficiency increase your profits and reduce costs long-term.

- 1 Standard caps, thin-walled products
- 2 Covers, customised closing systems, flip tops, buckets, reservoirs
- 3 Precision and micro parts
- 4 Pharmaceutical packaging components, pipettes, syringes, cosmetic products
- 5 Plugs, switches, fasteners, gear wheels, optical parts
- 6 Automotive interiors, technical parts, white goods
- 7 Enclosures, vehicle parts „under the hood“, instruments
- 8 Toys, household articles, office supplies



Medical

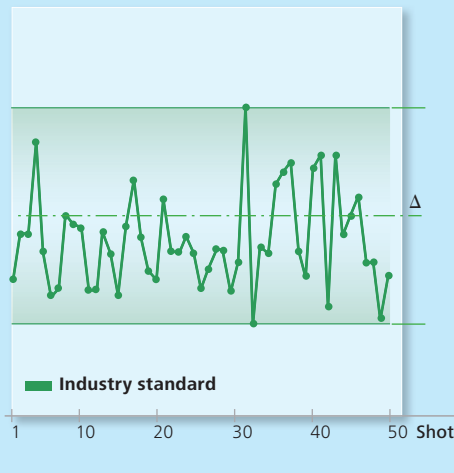
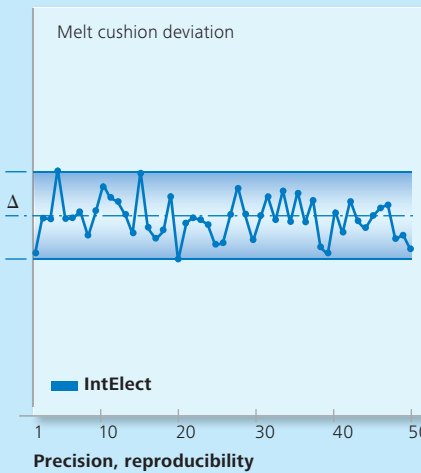
With its emission-free drives IntElect is the ideal injection moulding machine for clean rooms and production cells with air shower. It ensures highly precise production processes and a consistent quality documentation which is essential for medical production.



Injection dynamics (related to V_{max})

Acoustic emission

■ IntElect
■ Industry standard



IntElect – all-electric and ultra-precise

IntElect injection moulding machines with a particularly low noise level are all-electric. With shorter sampling times they allow highly dynamic and precise process control. Your benefit: the highest control accuracy and reproducibility alongside clearly reduced noise emission. For particularly sensitive processes precision can be significantly increased with the switchable non-return valve activeLock. For multi-cavity moulds activeFlowBalance can be used for automatic cavity adjustment.

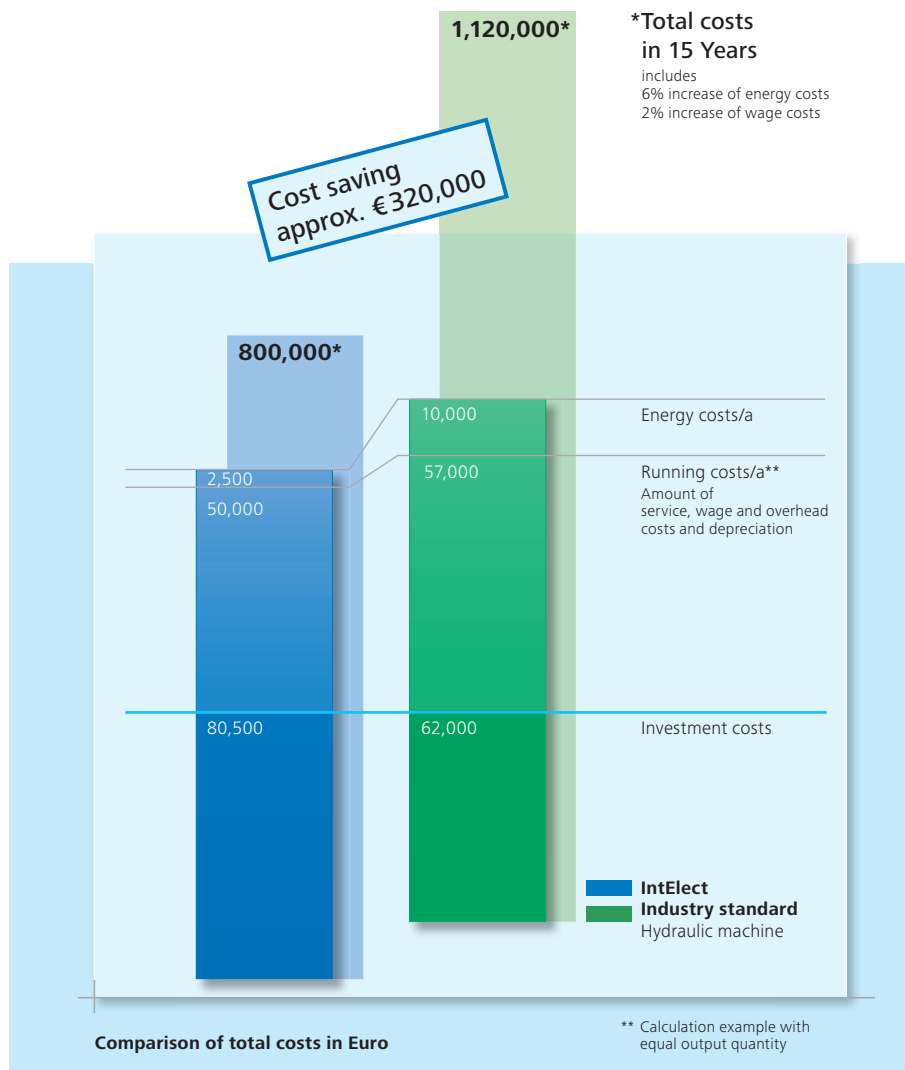
Microparts

To allow perfect processing of the smallest shot weights, material dosing and injection process must be as precise as possible. With its 14mm screw IntElect guarantees the highest level of reproducible processing quality for the activeDynamics module and lockable non-return valve activeLock.

Efficient in every respect

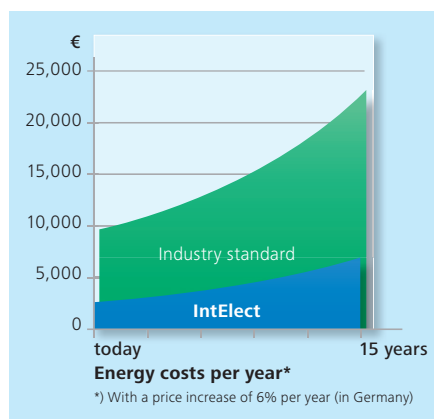
Electronics

Injection moulding of different wall thicknesses and complicated geometries requires particularly powerful and flexible machines. IntElect produces complex top-quality plastic parts within the shortest cycle times.



Automotive

The high-quality requirements in the automotive industry can only be realised with injection moulding machines achieving highly precise results even for multiple component and IMD applications. No matter if functional components or filigree design elements are produced – IntElect enables economic production at the highest level.



The fast way to the profit zone

The purchase price of IntElect may be somewhat expensive, however the investment will pay off. You will benefit from the highest production efficiency, significantly lower energy consumption and reduced downtimes. Although energy costs are increasing, you will reduce your overall operating costs in the long term.

- **IntElect**
Energy costs in 15 years approx. € 60,000
- **Industry standard**
Energy costs in 15 years approx. € 230,000

Ready for the future

Until now, Sumitomo (SHI) Demag, has delivered more than 100,000 injection moulding machines for almost every application and requirement. As early as in the 1990s Sumitomo was a driving force behind the development and production of all-electric injection moulding machines and is now the worldwide market and technology leader. The electrical direct drives are developed, optimised and produced by the company.

In the all-electric IntElect injection moulding machine, the synergies from the Sumitomo and Demag merger unleash their full effect. IntElect bundles the best solutions developed by our experienced engineers. The result is a highly precise, dynamic and energy-efficient injection moulding machine which is the basis for realising your ideas now and in the future.



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