



# AIM™ Axxicon ISO Manufactured. Flexibility by quick-change.

**Test results in accordance with global uniform standards.** Axxicon moulds have been setting the pace since 1989 when the first AIM (Axxicon ISO Manufactured) Mould System was introduced. Until that point, the polymer industry faced a major problem: test results were not comparable. Axxicon offered the solution: a quick-change system for standard plastic test specimens, enabling results to be compared worldwide.

**ISO - or any other standard.** Eventually, the polymer industry will fully adopt the ISO standard. Yet many customers still require tests in accordance with ASTM, BS, JIS, SAC or other standards. We accommodate them too, by providing inserts for any standard required.



## KNOW - HOW

## TO PERFORM



**A modular concept.** The modular AIM Mould System comprises a mould base, a mirror plate and as many product-forming inserts as you require. Mould bases, mirror plates and standard ISO inserts are delivered 'off the shelf'. Inserts for other standards are delivered within a matter of weeks.

**Changing inserts takes seconds.** Once the AIM Mould System is mounted, you can produce any number of different specimen types, simply by changing the 5 kg insert. This straightforward operation is completed in just a few seconds.

**Compliant with ISO and CAMPUS®.** The ISO standard sets the exact requirements for test specimen moulds. Parameters like heating, shot weight, gating and runner system, as well as the specimen geometries, are defined. The AIM Mould System complies with the latest ISO standards as used by CAMPUS®.

# AXXICON

*we're in it for you*



## AIM™ Axxicon Mould System

**Global uniform standards  
ISO, ASTM, BS, JIS, SAC**

The AIM Mould System is a flexible mould system designed to comply exactly with the international accepted ISO standards, which are also used by CAMPUS®, the plastics database. The AIM Mould System is a multi-functional injection mould with interchangeable inserts, used on conventional injection moulding machines and capable for producing plastic specimens for quality tests according international standards.

These types of specimens are commonly used to determine materials key properties such as Tensile strength, Izod and Charpy impact strength, hardness, flammability, shrinkage and gloss/colour matching.

The AIM Mould System fully complies with all the requirements for an ISO approved injection mould, with strong emphasis being placed on greater standardisation and uniformity of tests. Manufacturers operating in a global arena need to ensure that a products performance is consistent wherever it is made or sold.

### FEATURES & BENEFITS:

- Standardised design
- Unique system which ensures global comparison of material properties.
- In accordance with ISO specifications
- Flexibility by quick-change: changing of product-forming inserts in seconds
- Horizontal change of inserts and mirror plates for increased convenience
- Highly flexible, with inserts for all standards available
- Compatible with regular injection moulding machines
- Extremely reliable
- High level of support and service
- Built-in temperature sensor and pressure sensors (optional) in mirror plate
- Mould base and mirror plate/insert connected by quick-couplings for heating/cooling



- Guiding pins and bushes for accurate alignment of fixed and moving mould half
- Corrosion-resistant steel used for mould base, mirror plate and insert

### CAMPUS®

Computer Aided Material Pre-selection by Uniform Standards. CAMPUS® is the internationally reputed database software for plastic materials. The CAMPUS® philosophy is based on the concept of comparable data. (The properties are based on international standards ISO 10350 for single-point data and ISO 11403-1, -2 for multi-point data, in conjunction with ISO 294.) CAMPUS® is a registered trademark of CWFG, Frankfurt am Main, Germany.

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