

Thermal Barrier Machinery

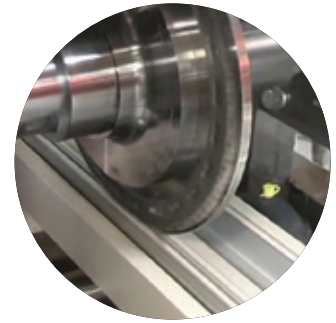
LANCER™ SERIES 70 MECHANICAL LOCK PRODUCT INFORMATION

Mechanical Surface Conditioning



CORE FEATURES

The Azon Lancer™ works in line with Azon Pour and Debridge machinery to mechanically resurface the extrusion cavity before it is filled with polyurethane polymer. The Lancer punches curved indentations along the lugs of the aluminum, creating more surface area in the thermal barrier cavity, improving the adherence of the polymer, and creating a mechanical lock. The Lancer improves thermal performance, protects against polymer dry shrinkage and fracturing, and increases the shear strength of the aluminum composite.



- **Two Semi-Independent Lancing and Support Wheels**
- **Dual Cavity Extrusions Lancing at Different Spacings with No Tooling Changes**
- **Support for Complexly Shaped Extrusions and a Wide Array of Cavity Sizes**
- **True “Recipe Recall” for Automated Wheel Movements and Speeds**
- **Magnetostrictive Position Sensing**
- **Park Feature Which Allows Extrusions to Pass Through When Lancer is Not in Use**
- **Compatible with the Azon Fillameter™ or stand-alone**
- **100% Electric Drive Motor**
- **Modular Electrical System**
- **Automated Hold-Up/Hold-Down Wheels**
- **Left or Right-Side Operation**
- **Safety Doors with Automatic Locking Latches**

MACHINE SPECS

Machine Dimensions:

Width 132.08 cm, Length 425.88 cm, Height 182.88 cm

Work Envelope Dimensions:

Width 400 mm, Height 250 mm

Throughput Capacity:

9.1 - 54.9 Meters (30 - 180 Feet) Per Minute

Electrical:

480 Volt, 3 Phase, 7.9 Amps, FLA (Full-Load Amperage)

*All electrical components are mounted inside NEMA 12 enclosures



CONSTRUCTION AND COMPONENTS

- The Lancer is constructed from one piece of 5 cm 4140 pre-hardened steel
- Pre-hardened 7.6 cm 4140 shafts support lancing and support wheels
- Oversized 3 HP direct mount gear motor
- Wide, self-lubricating hub bushings are constructed from tribological materials
- Composite keys designed to shear before damaging core components
- Frame features lifting tubes for easy forklift transport

WARRANTY

Azon offers Approved Azo-Brader™ and Lancer™ Applicators a 10-year warranty program, which protects against failure of the thermal barrier polymer due to dry shrinkage and fracturing. To qualify for the program, Azon customers must use Azon polyurethane polymers in the Azon machinery and adhere to strict quality control procedures and testing. In addition to the warranty, Azon provides program participants with quality assurance practices, design service analysis, certified training of mechanical lock machine operations, and marketing support.

Azon USA, Inc.

2204 Ravine Rd.
Kalamazoo, MI 49004
USA
Tel: 269 385 5942
Fax: 800 788 5942
azonintl.com

Azon UK Ltd.

Block C – Unit C14-15
Duffryn Park, 1 Alder Avenue
Dyffryn Business Park
Ystrad Mynach
CF82 7TW
UK
Tel: +44 (0) 1443 814657

Azon Asia Inc.

EI-Space
19 Samseong 122 St.
Gangnam, Seoul 06085
Korea
Tel: +82 (0) 2 3449 2200
Fax: +82 (0) 2 3449 2229

Azon Asia Inc.

168 Joongwon Ind. Rd.
Judeok, Chungju, CB
27459
Korea
Tel: +82 (0) 43 840 0500
Fax: +82 (0) 43 840 0501