

In addition to the MSX-Series, LECO is a leading manufacturer of technologically advanced metallographic/optical equipment, analytical instruments, and spectrometers. For over 70 years, we have been a trusted partner to industries and laboratories throughout the world; Delivering the Right Results with quality products.



Sample Preparation



Hardness Testing Systems



Image Analysis and Management

Excellent sample preparation is the cornerstone of proficient materials inspection. LECO provides you with a solid line of metallographic sample preparation and optical equipment, along with a full line of high-quality consumables for more effective materials testing and microstructural examination.



Carbon/Sulfur Determinators



Nitrogen/Oxygen/Hydrogen Determinators



Glow Discharge Atomic Emission Spectrometers

Since 1936 LECO has remained the authority in rapid elemental determination. Today our determinators and glow-discharge spectrometers feature the latest technology and conveniences that continue to make LECO synonymous with elemental determination in metals.



**Consumables**

Even the best metallographic equipment cannot compensate for sub-standard consumable products. LECO offers you high-quality consumables for all of your metallurgical applications.



**A Commitment to Quality and Service**

LECO instruments are noted for superior precision, speed, and ease-of-use. We are an international company with over 25 subsidiaries. Our global network of sales/support is dedicated to customer service and satisfaction, and our commitment to quality is further underscored with ISO-9001:2000 certification. We conform to CE quality and safety specifications, fully testing our instruments at our on-site Compliance Testing Center.



**LECO**<sup>®</sup>  
MSX-Series Sectioning Machines

# MSX-Series Sectioning Machines

## Quality samples right from the start

When it comes to sectioning, you need a machine capable of handling large sample sizes yet technically advanced enough to produce high-quality results. You need the MSX-Series sectioning machines from LECO. Lower heat generation and minimal structural deformation reduce the amount of sample preparation work required after sectioning. Higher quality samples right from the start.

- Advanced spindle design offers long life and precise sectioning
- Welded steel construction for the production environment
- Large T-slotted tables for flexible sample fixturing
- Flexible model configurations and blade sizes—from 8 in. to 17 in. (200 mm to 432 mm)
- Channeled coolant drainage provides high flow rates and minimal debris build-up
- Optional integrated Y-table for convenient parallel sectioning
- Optional magnetic filter for ferrous environments
- Optional filter bag kit for debris
- Isolated table design (X-axis) prevents contamination of linear slides and spindle



Our versatile benchtop models offer both linear and radial feed capabilities, along with automatic pulse cut sectioning.



**MSX200A1**  
Automated pulse feed rate for small sections such as electronics and fasteners (up to 8-inch/200 mm blade)



**MSX205-Series**  
Ideal for small sections such as electronics and fasteners (up to 8-inch/200 mm blade)



**MSX250A1**  
Automated pulse feed rate with load control designed to handle medium-sized sections such as automotive, ceramic, and composite materials (up to 12-inch/300 mm blade)



**MSX255-Series**  
Designed to handle medium-sized sections such as automotive, ceramic, and composite materials (up to 12-inch/300 mm blade)

MSX floor models are designed for sectioning larger samples. Automatic pulse cut sectioning, coupled with intense cooling, provide the perfect environment required for sectioning.



**MSX300-Series**  
Excellent for large sections of induction parts, tool steels, and carbonized pieces (up to 16-inch/400 mm blade)



**MSX400-Series**  
Oscillating machines designed for sectioning large samples of high-alloy and hardened materials (up to 17-inch/432 mm blade)



**MSX432A1**  
Automated pulse feed rate with load control handles large-sized sections such as automotive, ceramic, and composite materials (up to 17-inch/432 mm blade)

