



AMCOL Corporation

Lubricants and Applicators for Aluminum Extrusion

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Taking you from Ingot to Finished Product

Minimum Quantity Lubrication for Sawing of Billets and Ingots



CANMIST High Performance Lubricants and 6000 Series Precision Applicators with engineered spray manifolds have gained widespread use in circular and band sawing of billets, ingots, extrusions, etc. The combination of lubricants and applicators, known as minimum quantity lubrication (MQL) or near dry metalworking (NDMW), provide excellent blade life and a clean dry working environment.



Lubrication for Billet Extrusion

AMCOL offers an extensive line of powders, liquids, and waxes used to lubricate the aluminum extrusion process, along with the required application equipment.

- **46 ILX EJECTEZE** is a water-based and water-diluted polymeric release agent for lubrication of billets, blocks, scalpers, shears, die and

container rings; it is generally a one does it all product. The AMCOL Model 3063 automatic spray system has been specifically designed to apply a light coating in a round conical or hollow ring pattern; fixed mounting assemblies are used to spray billets and a moving assembly is employed for the dummy block. The 020 hand wand is employed for manual spray as a supplement to automation or where automation is not possible.



- **BL 463 2S EJECTEZE** is a liquid lubricant that is applied automatically onto the butt discard shear blade or in the log shear cutting zone. The AMCOL Model 3049 spray system has been designed specifically for these applications. The combination of products has been shown to improve productivity with reduced inclusions and blisters.

Boron Nitride has gained widespread popularity worldwide for use in aluminum extrusion process lubrication as this chemistry has been well proven

to provide excellent lubrication and release. Several products are available to meet your exacting needs:



- **410 BNP EJECTEZE** is a dry powder that is electro-statically applied to the billet or dummy block. This product provides all of the benefits of pure boron nitride with reduced dusting and atomization and improved adhesion and retention to the billet end.
- **325 LX EJECTEZE** is a stable liquid dispersion that can be sprayed, brushed or rolled onto cold surfaces. Applications include pre-cut billet ends and in die lubrication for break through and as an anti-seize.
- **412 BNW DYLUBE** is a wax stick used to manually lubricate hot extrusion tools. It is typically used in place of graphite grease with reduced mess and metal inclusions.



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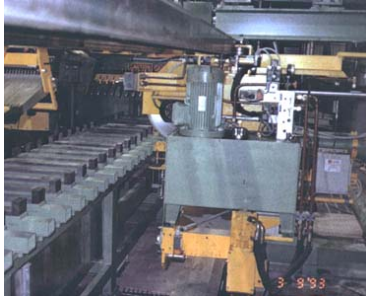


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Minimum Quantity Lubrication for Profile Cut-off and Fabrication

AMCOL 6000 series Precision Applicators used in combination with the appropriate CANMIST high performance lubricating fluid have gained widespread use for:

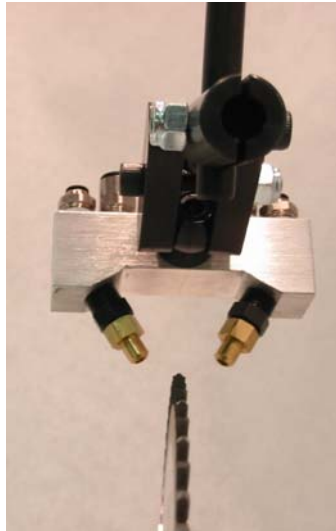
- **Traveling Hot Saws** – Self-contained applicators that travel with the saw to improve cut quality without affecting metal to be heat treated or annealed.
- **Precision Cut-off Saws** – Engineered applicators improve cut quality while eliminating fluid overspray onto the profile and machine.



- **Fabrication Cells** – Multi injector lubrication systems can be fitted to lubricate onto the tool, through the tool, or onto the metal.

Conventional Lubrication for Machining and Fabrication

- **2025 CHARCOOL** is a water dilutable soap type product for use in bending, punching and forming operations where it is found to provide good lubrication properties and leave only a light oily film that is virtually non-detectable.

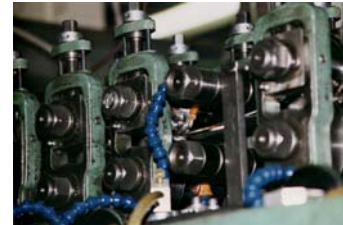


- **2200 LX CHARCOOL** is a water dilutable synthetic coolant used in CNC machining of aluminum extrusions. In flood type applications, this product provides unmatched lubrication properties, a light residual film, protects the parts and machine from rust and corrosion and resists bio-degradation.

AMCOL offers complete coolant purification systems with automatically indexing bed filters, bag filters, and oil skimming with separation for filtering out unwanted contaminants.



- **908 NFW CANT RUST** is a water carried metal deactivator for short-term oxidation protection and storage protection of aluminum profiles and castings.



Let us put our people to work for you!