

One Stop Shopping – Metal Locking Service was called to replace 16 foot ring gear on a 40 ton ball mill. We cut through the concrete pedestal using the Diamond Wire Cutting technique. It is the cleanest, fastest, and safest method for cutting through concrete or reinforced steel. MLS replaced the gear on the ball mill, rebuilt the gearbox and installed a new steel pedestal.



View overlooking diamond wire cutting equipment

Why Diamond Wire Cutting?

Benefits

- Unlimited cut size
- Cutting from one side
- Smooth surface finish
- Remote operation
- Operate in hazardous areas
- No vibration and minimal noise
- Wire is water cooled
- Dustless
- Precision cuts
- No over cutting at corners

Getting involved in our community – When times are tough, it is more important than ever to give back. Your contribution doesn't have to be monetary, your time is priceless. MLS is proud to serve on the board of directors for the South Buffalo City of Commerce, and recently donated a weekend get-away for benefit hosted by a valued customer.



Ball mill with concrete pedestal

More to Offer – MLS recently assumed co-management of sister company, West Metal Works. This will allow us to offer precise custom fabrication and welding to the ASME Sect. 9 standard. West Metal Works has built its reputation working with commercial accounts such as Occidental Chemical, Praxair and Westinghouse, as well as federal clients including Bechtel National and West Valley Nuclear Services. Visit www.westmetalworks.com to learn about their numerous stamps and certifications.

Applications

- Openings in walls, ceilings, floors
- Foundation removal
- Removal of bulk concrete
- Nuclear facility decommissioning
- Hydro structure modifications
- Slot cuts for structural separation
- Cutting of tanks and ducts
- Slots for thermal expansion
- Slots for AAR expansion
- Underwater cutting

