Abrasive jet cutting system
max. 58,000 psi
for the construction and maintenance industries

Mobile abrasive jet cutting unit

The mobile abrasive jet cutting unit can cut plates, slabs and pipes made from a wide variety of materials.

The abrasive entrainment nozzle assembly is mounted on a pneumatically driven carrier trolley which runs on a tensioned guide chain. A constant traverse speed is guaranteed.

Nozzle carrier mounted on rail

To make straight cuts through flat materials the guide chain is attached to a 6.56 ft. long guide rail.

Pipes of 1.31 ft. dia. and above are cut by fitting a chain tensioning trolley to the nozzle carrier trolley.

Lengths of chain can be added or removed to vary the overall length of the cut.

The carrier trolley speed is manually controlled by a pneumatic system. Cutting speed and positioning speed are individually controlled.
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Abrasive hopper

The system pneumatic control is mounted on the abrasive hopper. The hopper has an abrasive volume metering device and is connected to the abrasive entrainment nozzle by a 19.69 ft. length of hose. This 6m length should never be exceeded.

**Abrasive jet cutting system** complete, operating pressure max. 58,000 psi

consists of:
- Abrasive entrainment nozzle Type B 4000
- Nozzle carrier trolley
- Guide rail
- Chain tensioning trolley
- Chain
- Abrasive hopper (approx. 15.85 gallon)
- Air hose (22.97 ft. long)
- Abrasive feed hose (19.69 ft. long)
- Pneumatic control unit

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**Abrasive material**

Garnet

<table>
<thead>
<tr>
<th>Type</th>
<th>Grain size [inch]</th>
<th>Application</th>
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</thead>
<tbody>
<tr>
<td>HS 2</td>
<td>0.007 – 0.014</td>
<td>Steel</td>
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<tr>
<td>HS 5</td>
<td>0.02 – 0.04</td>
<td>Steel/Concrete</td>
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<tr>
<td>HS 7</td>
<td>0.03 – 0.06</td>
<td>Concrete</td>
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<thead>
<tr>
<th>Type</th>
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<th>Application</th>
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<td>HS 80</td>
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<tr>
<td>HP 220</td>
<td>0.003 – 0.004</td>
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