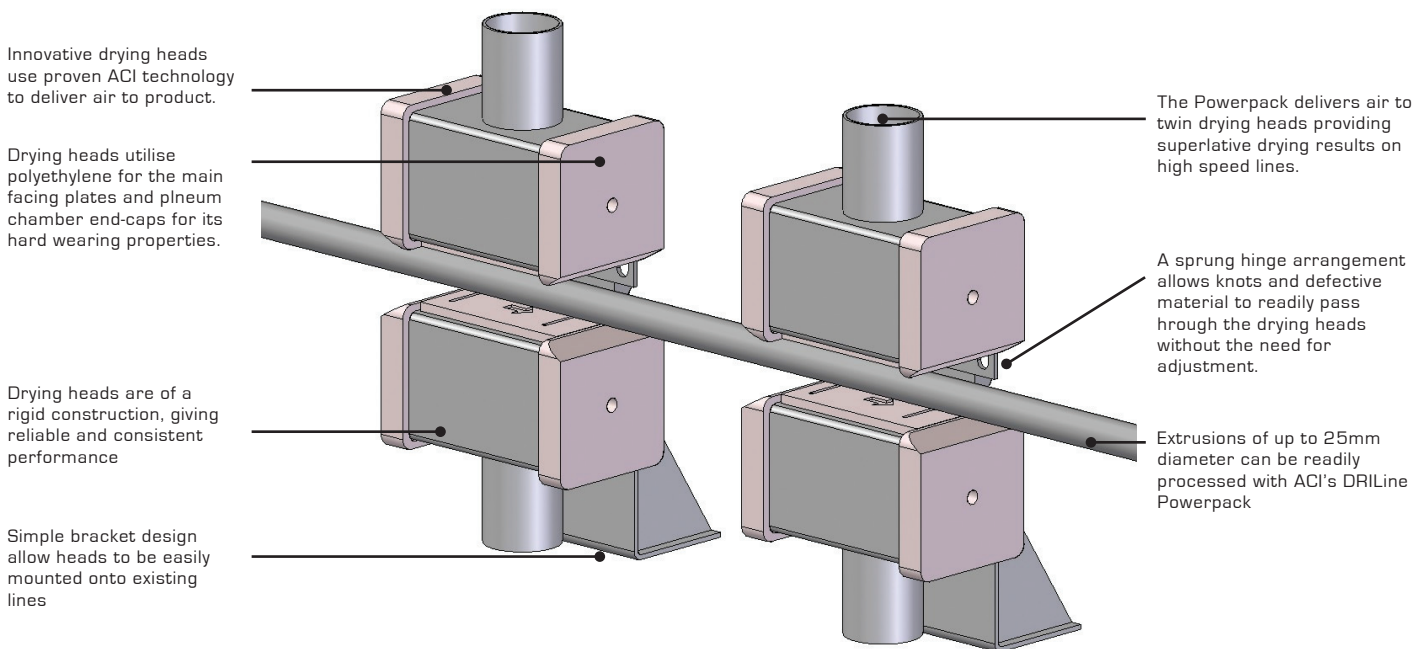


## DRI-Line Powerpack: Wire and Cable Drying

Energy saving drying solution for extruded cables, wires, plastic and rubber profiles

ACI's new 'DRI-Line Powerpack' achieves superior drying efficiency to compressed air alternatives yet has the ability to achieve up to 10 fold energy savings, giving the potential of saving £1000's per annum.

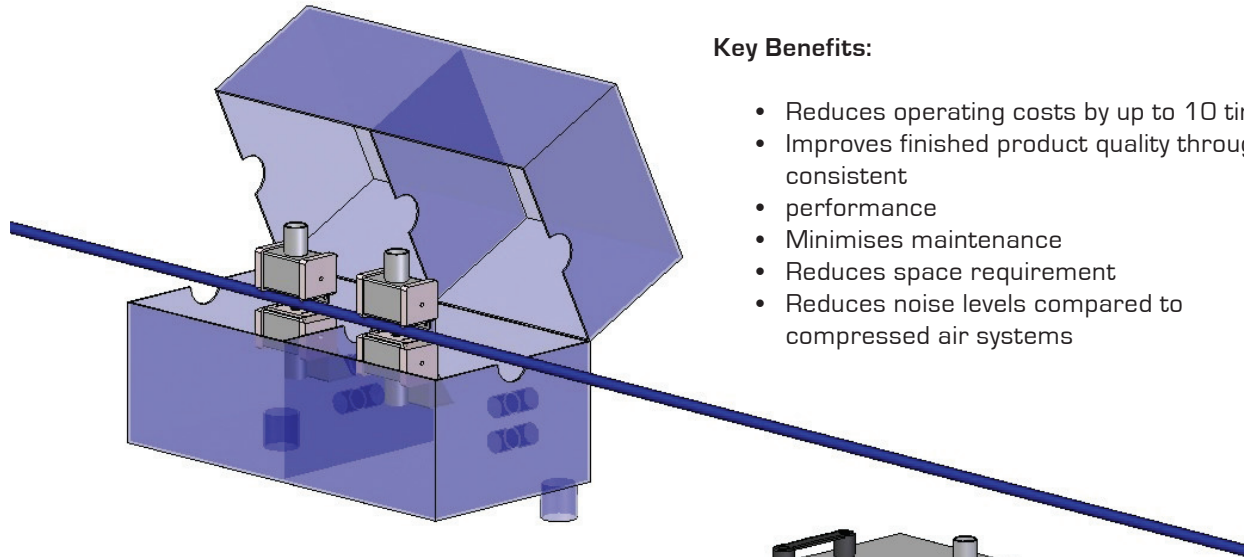
### DRI-Line Head Assembly Illustration



Utilising proven air movement technology, the DRI-Line Powerpack delivers warm, clean, contaminant free air at constant volume and pressures to ensure the drying process is consistent and reliable. It also has the advantage of being 'plug and play' as it runs off a 230V, single phase supply.

It has the ability to successfully dry extruded products from 5 to 25 mm diameter at speeds in excess of 300 m/min. Its drying effectiveness is achieved by passing extruded product through a pair of hinged drying heads which in turn deliver the high velocity airflow directly to the product. The heads are hinged to allow any defect/knot to pass through without any required maintenance or adjustment.

## DRI-Line Powerpack illustration

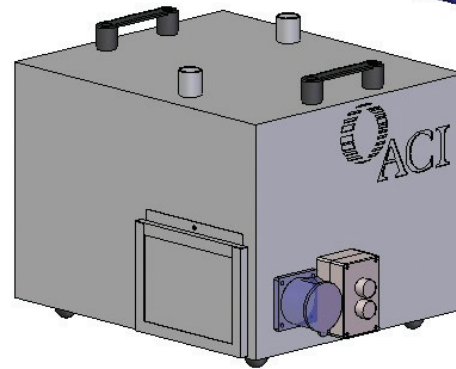


### Key Benefits:

- Reduces operating costs by up to 10 times
- Improves finished product quality through consistent performance
- Minimises maintenance
- Reduces space requirement
- Reduces noise levels compared to compressed air systems

### Key Components

1. Optional spray / noise enclosure. (Hinged for easy access)
2. Drying heads
3. Air outlets
4. Extruded product (i.e. wire/cable)
5. DRI-Line blower pack
6. 1Ph electrical connection / Start & Stop switch
7. Replaceable filter pad

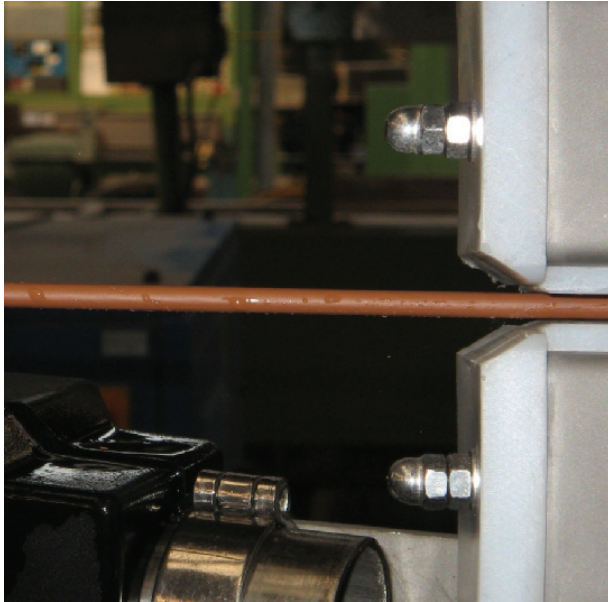


Please note: DRI-Line uses 'Flexflyte Super' thermoplastic ducting.

## The figures speak for themselves:

	Compressed Air Arrangement	DRI-Line Powerpack
<b>KW</b>	27.5	2.4
<b>Electricity cost per KW hour</b>	\$20.83	\$20.83
<b>Power consumption cost per hour</b>	\$5.73	\$0.50
<b>Hours run per day</b>	24	24
<b>Daily power costs</b>	\$137.48	\$11.99
<b>Days run per week</b>	7	7
<b>Weekly running costs</b>	\$962.35	\$83.99
<b>Weeks run per year</b>	51	51
<b>Yearly power costs</b>	\$49,076.65	\$4,283.32
<b>Yearly running cost saving</b>	\$44,796.63	

## DRI-Line Performance Features



**Image above:** ACI's DRI-Line Powerpack drying cable at high speeds. The heads are connected via a hinge arrangement which allows knots and imperfections to readily pass through.

<b>Discharge Features</b>	<ul style="list-style-type: none"> <li>• Pressure: &gt;80 InSWG (2.8PSI).</li> <li>• ¾ Air temperature: 80 Deg.C (176 Deg.F)</li> <li>• ¾ Air Speed: 8,800M/Min / 28,900Ft/Min</li> </ul>
<b>Product Capacities</b>	<ul style="list-style-type: none"> <li>• Upto 25mm diameter</li> <li>• ¾ Running speeds in excess of 300M/min.</li> </ul>
<b>Blower Noise Levels</b>	<ul style="list-style-type: none"> <li>• Below 85dB(A)</li> </ul>
<b>Dimensions and Weight</b>	<ul style="list-style-type: none"> <li>• Dimensions: 560mm long x 540mm wide</li> <li>• x 410mm high.</li> <li>• ¾ Less than 25Kgs.</li> </ul>
<b>Standard Voltage</b>	<ul style="list-style-type: none"> <li>• 1Ph, 240V, 50Hz supply with a IP44 Protection</li> <li>• panel socket (male)</li> </ul>
<b>Materials</b>	<ul style="list-style-type: none"> <li>• Blower pack / air delivery plenums /</li> <li>• optional spray containment -</li> <li>• Stainless steel 304.</li> <li>• ¾ Face plates and air delivery end-caps -</li> <li>• Polyethylene PE1000</li> <li>• ¾ Connecting hose - 'Flexflyte Super'</li> <li>• thermoplastic rubber</li> </ul>

## Compressed Air Comparisons

### Why does extrusion needs to be dry?

The process of extruding an insulating layer over wire requires a cold water trough to bring the extrusion to a manageable temperature. This cooling water needs to be totally removed otherwise both the quality testing and packaging processes can be affected adversely.

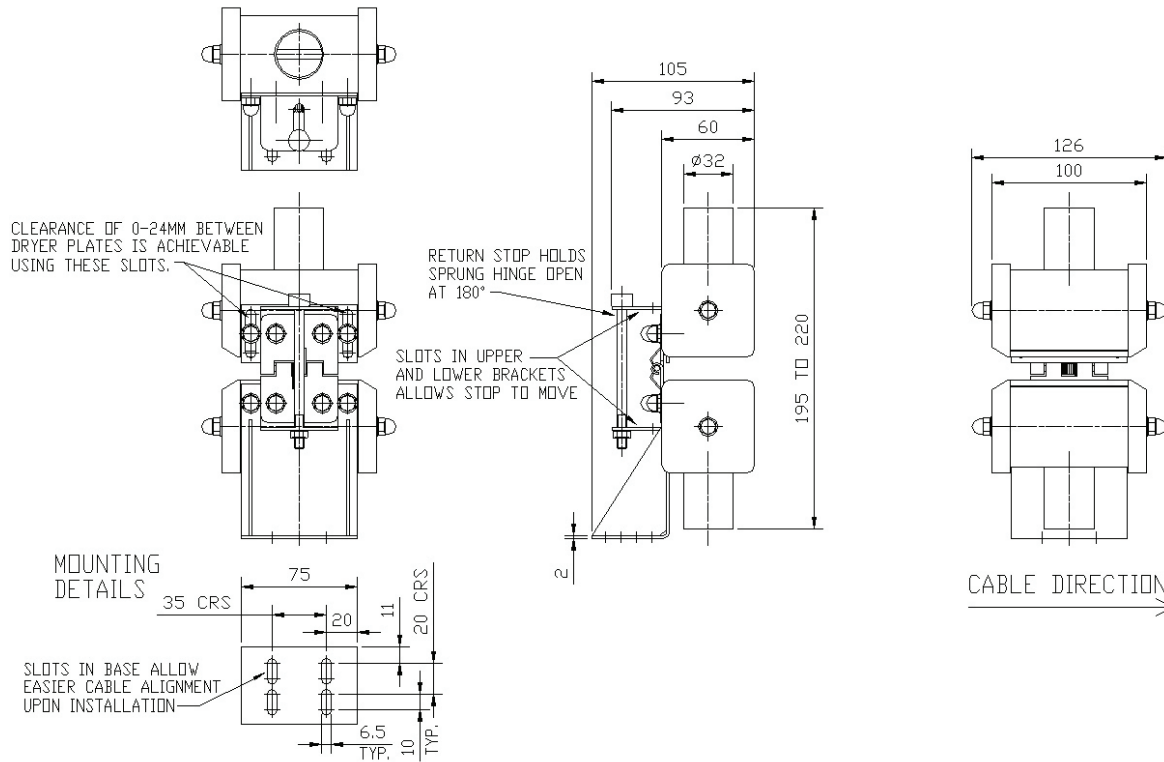
### Why not compressed air?

Although ideal for many applications the most inefficient process for which compressed air can be used is in the removal of surface liquids through 'wind-jet' style nozzles. This causes severe fluctuations in main-line compressed air supplies and more importantly wastes enormous amounts of valuable energy.

### Benefits of ACI's DRI-Line over compressed air:

- Improved quality of air (free of contaminants and oils)
- Improved environment
- Lower running costs
- Energy saving
- Low capital outlay, rapid payback
- Easy to install
- Maintenance free operation
- Naturally heated air (upto 80 Degrees Centigrade)
- Small footprint

### DRI-Line Outline Drawing (Drying Heads)



### DRI\_line Outline Drawing (Blower Pack)

