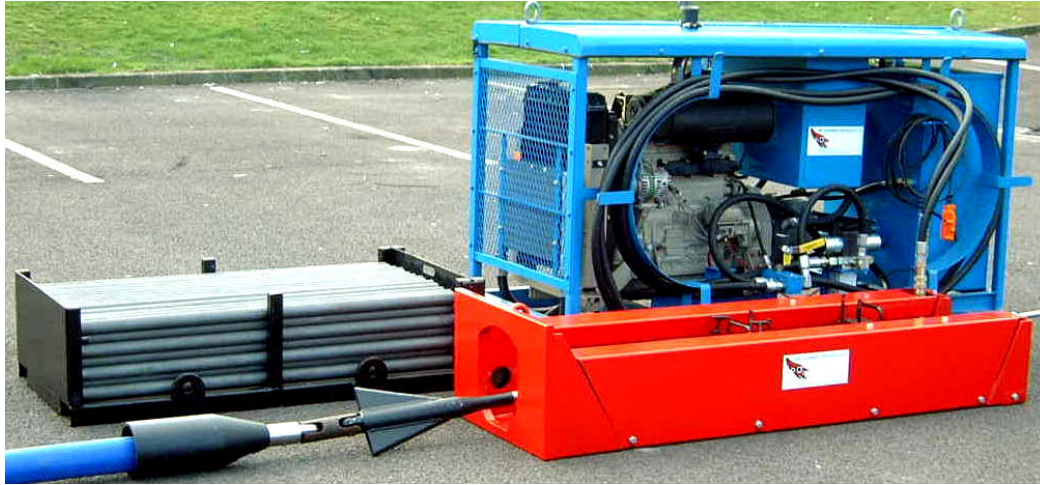


MAXIBURST (Pipe Bursting System)



Pipe Bursting, or Splitting, is the replacement of an existing, generally metallic, underground pipe (typically water, sewer or gas) with a new PE pipe of the same nominal size, or larger, without the need for a continuous trench.

An entry pit and a receive pit, typically about 100m apart, are excavated on the line of the existing pipe, which, after decommissioning, is used as a conduit for the high tensile steel Burster Rods which are inserted into the pipe from the receive pit using the MaxiBurst Rod Winch. When the rods reach the entry pit the Bursting Arrow, or Splitter, complete with Expander Cone and PE pipe, is attached to the rods.

Using the MaxiBurst Rod Winch this whole assembly is then pulled back through the existing pipe, bursting, or splitting, as it progresses. The Expander Cone pushes the pipe fragments into the surrounding ground and enlarges the bore thus enabling a new, possibly larger, PE pipe to be installed. A feature of the MaxiBurst system is a second set of 'Jaws' which grip the rods when the moving jaw is on its return stroke, thereby preventing any spring back.

The MaxiBurst Pipe Bursting system was originally developed in the mid 1990's by Clearline. Further developments now make it one of the fastest and most economical pipe bursting systems on the market. The current machines, now manufactured and marketed by Pipe Equipment Specialists Ltd, are capable of bursting 100 metres of 4" pipe in less than 30 minutes. Two models are currently available, these being the MaxiBurst 40 and the MaxiBurst 70.

The MaxiBurst 40 is suitable for pipe sizes from 3" (75mm) to 8" (200mm), whilst the MaxiBurst 70 can be used for all pipe sizes from 4" (100mm) to 14" (350mm). Both units have been designed with safety, reliability, speed and low operational costs as the primary objectives and have proved themselves to be rugged and reliable.

Since its conception the MaxiBurst system has been sold throughout the world with a considerable number of units sold to equipment hire companies – where its robust construction, high reliability and low cost consumables have proved to be a winner.

The company follow a policy of continuous product development and as such reserves the right to make alterations to equipment and techniques without prior notice.

PIPE EQUIPMENT SPECIALISTS LTD

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Certificate Number: 1253

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MAXIBURST SPECIFICATION

Details	MaxiBurst 40	MaxiBurst 70
MaxiBurst Rig		
Length	1770mm	1890mm
Width	550mm	760mm
Height	410mm	410mm
Weight	360kg	450Kg
Maximum Pulling Load	35 tonnes @ 275 bar	70 tonnes @ 230 bar
Maximum Capacity	200mm (8")	400mm (16")
Maximum Bursting Speed	5m/min	3m/min
Rods		
Effective Length	1200mm	1000mm
Diameter	40mm	50mm
Weight	11.5Kg	16Kg

Notes

- All dimensions are approximate.
- Maximum Capacity is dependant on the existing pipe material and condition, plus ground conditions.
- Power Pack maximum output pressure preset to either 275 or 230 bar dependant on MaxiBurst rig supplied.
- Bursting speeds are typical when powered by a PESL Hydraulic Power Pack.

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