

## CASE STUDY

### DIAQUIP DQ MACHINERY



#### OVERVIEW

The Company:	Holemasters Demtech
Project:	Concrete Floor Sawing
Location:	Trafford Park, Manchester
Employees:	100+
Industry:	Concrete Drilling & Cutting
Customers for:	20 years
Website:	<a href="http://www.holemasters.co.uk">www.holemasters.co.uk</a>

**Holemasters Demtech are one of the longest established names in the Diamond Drilling, Cutting and Sawing industry.**

They are experts in diamond drilling, robotic demolition, piling and repair technologies and can work with every type of construction material. Holemasters handle projects for some of the biggest multi-national organisations in the UK, working out of five operations with a bespoke range of equipment and delivered by a team of 14 technical experts and over 50 trained operators.

#### THE CHALLENGE

Holemasters Demtech were approached to undertake a large floor sawing project, which had to be carried out under a tight time scale restrictions as part of a new build project of a major, large scale warehouse complex for a blue-chip online retailer located at Trafford Park, Manchester.

The objectives needed to cut the polished reinforced concrete floor with 15mm rebar, (which also contained a high resin level) in 4 metre square sections up to a depth of 500mm. These were to accommodate stanchions used to support a mezzanine floor level.

A self-propelled, 3-phase electric powered floorsaw was used, rather than diesel due to the work being carried out in a building where fumes and engine noise are an issue.

As, the operators at Holemasters were cutting polished high resin content reinforced concrete with rebar, to highly challenging timescales and working on a massive scale, the speed of cut, long life, service and reliability were major factors in choosing the correct Diamond Blade.





## THE SOLUTION



Diaquip recommended the Trimex 1020 Diamond Floorsaw Blade (600mm Ø) as the optimum specification for this project. The Trimex range are innovative, high specification Diamond Blades that has been described as a 'game changer' in diamond blade technology by floor and wall saw operators who demand better speed, life and reliability.

As a competitor blade (The Arix), was also trialled by Holmasters on this project, they could compare the findings of the Trimex versus the Arix Blade. The Arix was found to take 45 to 50 minutes to cut the 4m<sup>2</sup> Holes whereas the Trimex cut the same size in just 17 minutes with the same operator and Floorsaw. Other feedback was that the Arix was much slower to get to working at an optimum level versus the Trimex (up to 40 minutes versus 3 minutes for the Trimex). The Operators at Holmasters also recorded that the Trimex had a much greater life of blade. The Arix averaged 1000m before wearing, whereas the Trimex 1020 was averaging 3000m – and even went as high as 3500m before wearing; which they said was highly impressive results considering the level of rebar and resin content. Overall the feedback was that the Trimex Blade worked much faster and with far greater life.

## THE RESULT

Holmasters and it's operators were delighted with the speed, life, performance and results of using the Trimex 1020 Diamond Floorsaw Blade. It is a challenging, time sensitive and overall massive project. We are pleased to report that we are ahead of schedule by 2.5 days and expect that to be maintained or improved before the project completes – which is an ideal situation for Holmasters and our clients.

**"Holmasters have used Diaquip products for 20 years, They share our passion for service and providing a great end product. Speed and reliability are the most important things we look for in the products we buy - as its all about meterage at the end of the day. We use Trimex Elite Floorsaw blades because they are fast, reliable and hard wearing – which saves our operators time. It also ensures that we finish ahead of time and to a highly professional standard – which keeps our clients happy. We also find Diaquip's service the best of any provider, Gerry is highly experienced and supports us perfectly."**

Carl Benson, Concrete Cutting Specialist – Holmasters Demtech