

# THE DALTON BUILDING, MANCHESTER METROPOLITAN UNIVERSITY

Maple's gold perforated and solid fins provide a striking feature on MMU's new Faculty of Science and Engineering building

## LOCATION

Manchester

## PROJECT

Architectural fin façade

## DATE

July 2024

## CONTRACTORS

Bowmer & Kirkland

## ARCHITECTS

BDP

## DESIGN

- Combination of perforated and solid vertical fins create an impressive, modern façade
- The facility's architecture incorporates various geometric elements from the building's shape to the fin perforations
- Perforated fins create a sense of variation by being installed at various angles to manipulate sun rays
- The rows of vertical fins are broken up by horizontal fins

## MANUFACTURE

- The fins were made from 3mm thick folded aluminium sheets
- An internal stiffening frame was incorporated into the horizontal fin design to maintain rigidity
- The aluminium fins were anodised in gold to increase their robustness

## INSTALLATION

- The façade features on all elevations of the facility
- The placement of the fins on the building also offers shading and reduced solar glare

## VERDICT

"The building is incredibly impressive, and we look forward to bringing our new building to life through collaboration and new ways of working to further deliver excellent research with impact and providing an outstanding student experience."

Prof Mark Sterling, Faculty Pro-Vice-Chancellor for Science and Engineering,  
Manchester Metropolitan University

## DID YOU KNOW?

The Dalton Building cost £115m, which is the largest capital project in Manchester Metropolitan University's history and offers a range of state-of-the-art STEM facilities.





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MAPLE

