



# InventorCAM

## iMachining – The Revolution in CAM!

### Joy Global sees InventorCAM as an Asset to their Business

Based on a 50 acre site in Worcester, Joy Global produces armoured face conveyors, large gear cases, sprocket ring gears, frame fabrications, powered roof supports, hydraulic cylinders and valve assemblies.

This large array of machines and components is destined for use by the underground mining sector around the world.

**JOYGLOBAL**

The Worcester facility was originally established in the 1930's as the Mining Engineering Company (MECO) which led to a series of take overs including Dowty (1970), a management buyout (1987) and an acquisition in 1996 by US underground mining machinery manufacturer, Joy Mining Machinery, now called Joy Global Underground Mining.

Joy Global has risen to have the world's largest service and support infrastructure for underground mining machinery used in the extraction of coal and other bedded materials.

[www.joy.com](http://www.joy.com)

Utilising *InventorCAM*, Joy Global manufactured the 'Ranging Arm Cylinder' within 8 hours. The hydraulic cylinder, which will later be used to manipulate a coal shearer, was manufactured on a wide range of machines using Fanuc, Heidenhain and Mazatrol controls. *'Using InventorCAM HSM, we were able to make significant cycle time reductions.'*  
Rob Wilks, Production Engineering Manager, Joy Global.

Joy Global chose *InventorCAM* as it gave them the flexibility they required when producing machines and components that require a wide range of machining operations throughout the manufacturing process.



*'Having undergone training at SolidCAM UK's Barnsley office, we were able to determine the best way of getting the desired tool paths on our own products. SolidCAM UK have also provided very effective on-line support to resolve any problems quickly whenever we required. As for the future of InventorCAM within Joy Global, we have recommended it to one of our China facilities where trials are currently taking place.'*

Rob Wilks, Production Engineering Manager, Joy Global.

#### SolidCAM

Founded in 1984 by Dr. Emil Somekh, SolidCAM has over 29 years of expertise in CAM development and applications. The integration strategy of SolidCAM, in the major 3D mainstream CAD systems, SolidWorks and Inventor, has created major growth for SolidCAM and established SolidCAM as the leaders in Integrated CAM. SolidCAM is a Consistent Growth Leader and has been named by CIMdata as the fastest growing CAM vendor worldwide, in five out of the past eight years.