

# ASC76 CNC & TCF120 CNC

## Automatic Chamfering Machines



Manufactured in the UK by J&S Engineering

# ASC76 CNC & TCF120 CNC Fully Automatic Chamfering Machines

**Both the ASC76 & TCF120 CNC Automatic chamfering machines have been designed and developed as high volume, compact and portable production machines, ideal for chamfering mass-produced parts at high speed.**

The ASC76 delivers the high-speed ability to chamfer, over turn and chamfer and stud rod chamfer in a cycle time as low as 2.5 seconds per operation.

For precision accuracy and concentric clamping on tube chamfering, we offer the TCF120 model with a driven 3-jaw chuck and special tooling which replaces the clamping wedges featured on the ASC76. This enables the machine to tube chamfer, as well as tube chamfering internal, external and face simultaneously.

Any special application for either machine can be catered for with the provision of bespoke tooling.

The ASC76 and TCF120 can both deliver changeover times between part sizes as low as 45 seconds.

They will also achieve 3000 rpm with 4kw of power directly driven to the cutting head.

The machine itself has been designed with the operator in mind with easy access to all tooling and settable parts for quick changeover and ease of operation.

Its user-friendly interface has built-in speeds and feeds for different chamfer sizes in both metric and imperial. There is also the option for user changeable speeds, feeds and positions for all types of material and chamfer lengths.

A 6-inch colour touch screen control features automatic programmable settings for different component sizes and material types.

A fast & reliable adjustable high pressure hydraulic clamping system, ensures precise gripping on all parts and material types including plastic.

The main structure comprises of 2 inch thick steel plate upon which all the main mechanical components are mounted, giving the machine rigidity and a high level of accuracy.

This space saving machine has a footprint of only 600mm x 1000mm x 1200mm and weighs 500 kg.

Due to the substantial weight of the machine it doesn't need to be bolted down, meaning it can be moved around the factory on a pallet truck with ease.



TOUCH  
SCREEN  
CONTROL



# ASC76 & TCF120 CNC

## Standard features

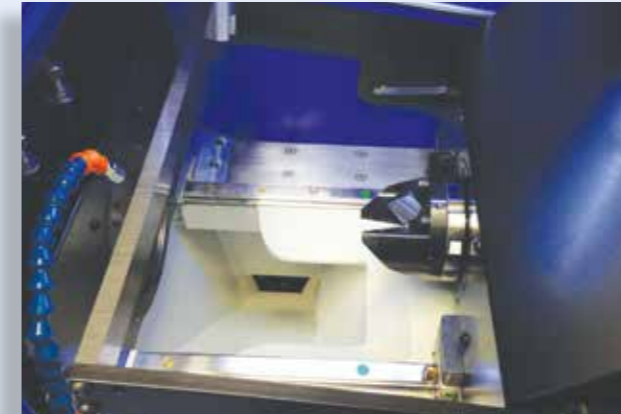
- Automatic stop for repeatable chamfer length and safety
- 6 inch colour touch screen control
- 3000 rpm spindle speed
- Automatic material sensing device for fully automatic starting of the machine
- ASC76 with 76mm/3inch capacity
- TCF120 with 120mm capacity
- Adjustable high pressure hydraulic clamping system
- ASC76 with quick change clamping blocks
- Cutting head to suit all material sizes
- Quick change standard iso cutting inserts
- 4kw motor
- High precision Mitsubishi servo drive with absolute position encoder
- Over sized high thrust rated ball screw
- Long life belt drive
- Precision spindle bearings
- Large accessible machine door
- Internal high power led work light
- Swarf chute with external easily detachable swarf bin
- Pallet truck lifting points

## Options

- MQI coolant system
- Central stop device for ultra fast cycles
- Chamfer angle tool selectable 30/40/60 deg with software control
- Foot pedal control
- Robot interface
- Machine beacon with wi-fi monitoring for machine usage

## Tooling options

- Spot face and chamfer
- Face chamfer center drill
- Overturn and chamfer
- U-drill and chamfer
- High accuracy over turn and chamfer
- Internal and external chamfering with facing for all types of tube



All achievable on the  
**ASC76 & TCF120  
CNC**



SMALL  
COMPACT  
FOOTPRINT





+44 (0)1242 679386



[info@jandsengineering.com](mailto:info@jandsengineering.com)



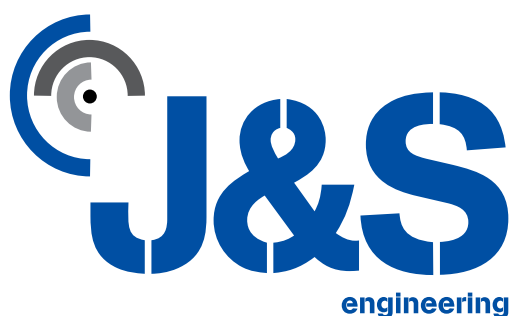
[www.jandsengineering.com](http://www.jandsengineering.com)



Discover more  
on our website



Visit us on  
[www.youtube.com/user/jandsengineeringuk](https://www.youtube.com/user/jandsengineeringuk)



J&S Engineering UK Ltd, Evesham Road, Bishops Cleeve,  
Cheltenham, Gloucestershire GL52 8SA