



**Westermans International Ltd**  
welding and cutting solutions that don't cost the earth

## Cone Rolling Machine --**WS-MA-5\*900mm**



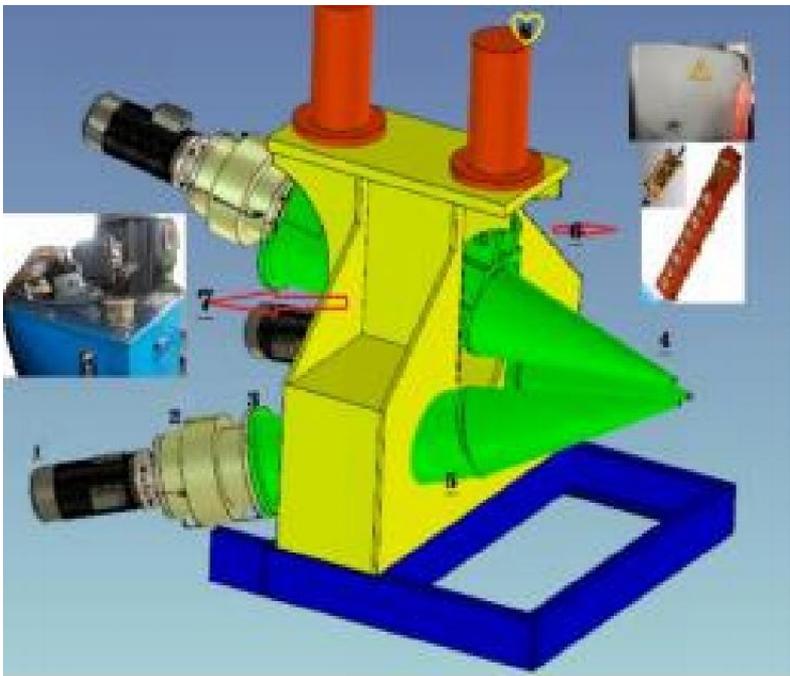
Westermans International Ltd  
Unit 4 Midland Distribution Centre  
Markfield Road, Groby, Leicestershire, LE6 0FS  
www.westermans.com welding@westermans.com Tel:+44 (0) 116 2696941

## Introduction

### Cone rolling Machine: WS-MA model

Cone rolling machine is mainly composed of tapered work rollers (one upper roller, two down rollers), frame (steel plate splicing), hydraulic moving system, power and transmission system, control system, etc. Three rollers are fully driven, three rollers are tapered, and the line speed is automatically matched, making it easier to roll tapered workpieces without slipping.

### Function:Rolling for cone shape

1	Rolling motor	
2	Reducer	
3	Coupling	
4	Up roller	
5	Down roller	
6	Electrical cabinet	
7	Hydraulic station	
8	Oil cylinder	

## Machine Features

**Calculate the rated load of the equipment based on the 60-degree cone barrel, maximum thickness, and maximum rolling width of the finished workpiece.**

- There are 3 working motors, all of which rotate synchronously and actively, and are selected according to 1.2 times the rated load.
- Three cycloidal pinwheel reducers, selected according to 1.5 times the rated load.
- The connection between the reducer and the shaft is installed with a shaft, the machined surface and coaxiality are precise, and the coupling is not hard-connected, so the reducer is not easily damaged.
- Maximize the diameter of the shaft head and select the bearing according to 2.5 times the rated load.
- Control the wireless remote control.
- The hydraulic station is equipped with a two-link solenoid valve, an electromagnetic relief valve, and an axial piston pump.
- The hydraulic cylinder should be selected based on twice the rated load at 25MPa.

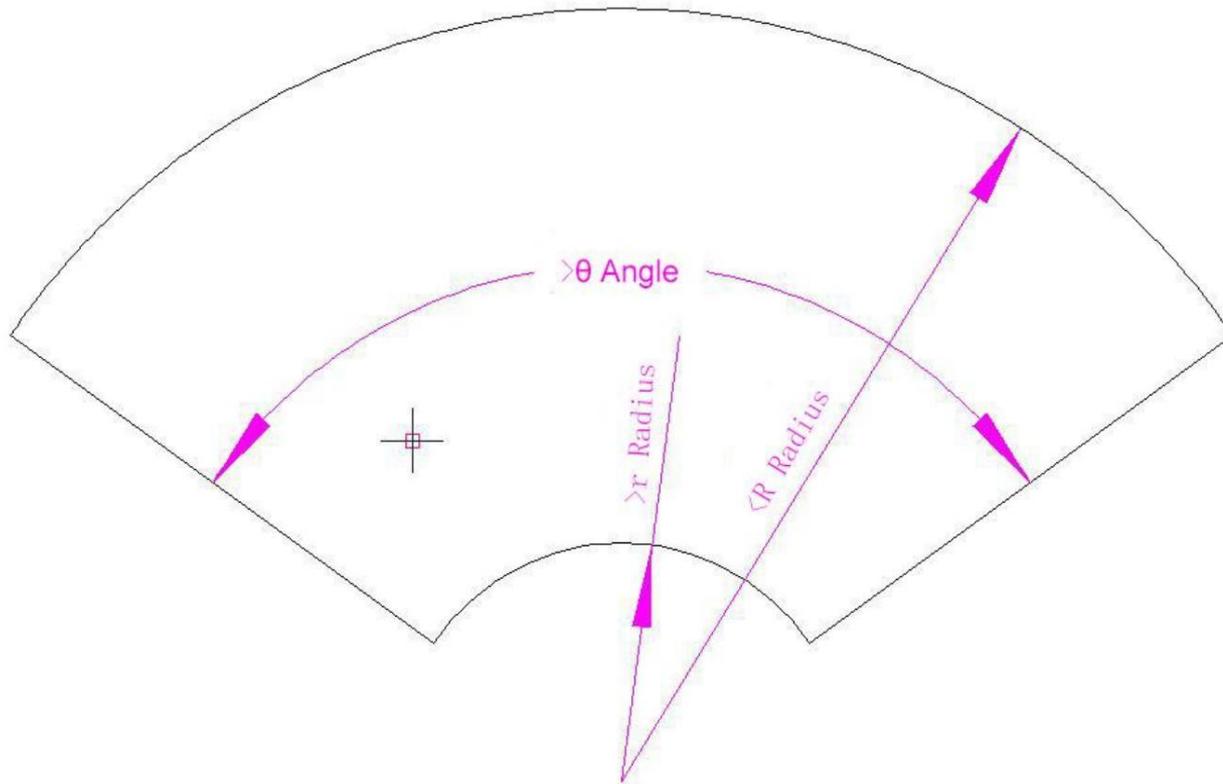
## Technical Parameter

Model	WS-MA-5*900mm
Max rolling thickness	5mm (stainless steel, carbon steel)
Max rolling width	900mm
Rolling range	r>1780mm--R<2680mm--θ>50 °
Motor power	3kw *3pc
Hydraulic station motor power	3kw
Reducer	*3 BW
Roller material	45 # steel, surface quenched
Oil cylinder material	45 # steel, heat treated HRC48-50
Outer dimension	2300*1200*1500mm
Total weight	1500kgs

Final machine size and weight will be subject to machine actual data.

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## Rolling Range



Rolling range ( $r \geq R$  and  $\theta \geq \theta$ ) :1780mm-2680mm-50°.

Conical barrels with blanking radius of  $r$  or more, a radius of  $R$  or less, and a blanking angle of  $\theta$  or more can be rolled.

Sample Photo



Rolling samples from clients

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## Packing Photo



## Customer cases



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