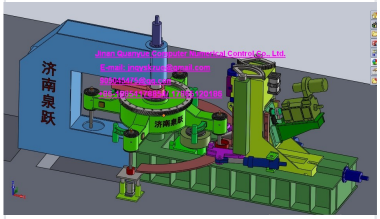
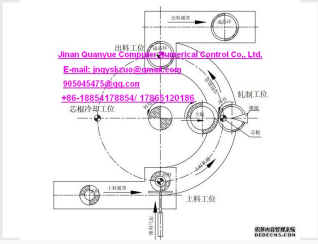
# Automated Bearing Production Line with CNC Diameter Axial Ring Rolling

This automated production line is designed for bearing manufacturing. It features a four-working station CNC diameter axial ring rolling machine for precise and efficient production.




ADDITIONAL IMAGES





## Product Overview

### Automated Bearing Production Line

This automated production line utilizes advanced computer numerical control (CNC) technology to integrate mechanical, electrical, and hydraulic systems into a seamless manufacturing solution. Designed for the high-quality processing of seamless rings, the equipment offers superior process characteristics for efficient, high-volume production. By minimizing human intervention, the system enhances manufacturing consistency and reduces overall production costs.

## Technical Specifications

### Ring Dimensions

| 180 mm | 300 mm | 35 mm | 100 mm |
|---|---|---|---|
| Min Outer Diameter | Max Outer Diameter | Min Height | Max Height |

### Rolling Force

| 300 KN | 300 KN |
|---|---|
| Max Radial Force | Max Axial Force |

### Operational Parameters

| Parameter | Value |
|---|---|
| Rolling line speed | ~1.3 m/s |
| Stroke of the Core-roller | 150 mm |
| Cone-roller range | 30-150 mm |
| Diameter of roller core | 60 mm |
| Max ring weight | 10 Kg |

| System Components | |
|---|---|
| **Integrated Systems** | Mechanical Integration, Electrical Integration, Hydraulic Integration, Instrument Integration, Lubricating System, Cooling System |