



# Cupping Press CP300



CP300—The highest achievable performance in the Industry. CP300 has high process reliability, high output, and unsurpassed quality.

## Key Benefits

Belvac offers state-of-the-art technology in the design and manufacture of the new Cupping Press CP300 and Cupping Press Systems. The CP300 offers the most cost effective and highest achievable performance solution in the industry. The unique proven design of the CP300 requires no additional foundation requirements prior to installation. This removes the need for expensive facility upgrades.

The low maintenance design has a high precision guidance system, dynamic counter balancing with no vibration, and a decoupled main drive installation.

Other features include a quick release for shorter reaction time, and an encoder controlled automatic slide adjustment and clamped pressure point. The CP300 has reduced downtime for tool and coil change as well as maintenance and service. Innovative ideas such as the dynamic counter balance guarantee the highest production speeds available.

## Features

- Unique Proven Design
- Low Maintenance
- No Foundation Requirements
- High Precision Slide Guidance
- Encoder Controlled Automatic Slide Adjust and Clamped Pressure Point
- Decoupled Main Drive Installation
- Zero Maintenance Direct Drive
- Wear Free Hydraulic Clutch and Break Combination
- Dynamic Counter Balance
- No Vibration Mass Counter Balance
- Spring Damper Installation
- Quick Release for Shorter Reaction Time
- Automatic Slide Adjust
- Gap Free Slide Guide
- Maintenance Free Slide Guides

## Cupping Press CP300

A welded monoblock frame with reinforced bed provides increased rigidity and reduced die wear. Dynamic mass counterbalance combined with absorbing spring dampers allows the CP300 to reach speeds of 300 spm with low vibration and minimum foundation requirements. The press is mounted on anti-vibration pads/damper elements directly on the floor to further eliminate vibration.

During normal operation the press monitors its position/angle with the rotary cam sensor/auto tech/resolver unit.

The clutch is hydraulically operated and is a combination clutch with spring operated multi plate brake plates and a piston operated multi plates clutch.

The CP300 has a separated hydraulic and lubrication unit and a motorized slide adjustment.

Technical Specifications	Cupping Press CP300
Total Force [kn/US tons]	1,400/154
Working Energy [kJ]	15.5
Phase Shift [°]	60
SPM [strokes per minute]	100–300
Bed Size Width [mm/inches]	2,135/84
Bed Size Dept [mm/inches]	1,120/44
Outer Slide	
Force [kn/US tons]	700/77
Stroke Height [mm/inches]	50.8/2
Adjustment [mm/inches]	50/2
Shut Height SDAU [Slide Down, Adjustment Up] [mm/inches]	560/22
Size Width [mm/inches]	2,135/84
Size Depth [mm/inches]	915/36
Inner Slide	
Force [kn/US tons]	700/77
Stroke Height [mm/inches]	127/5
Adjustment [mm/inches]	50/2
Shut Height SDAU [Slide Down, Adjustment Up] [mm/inches]	720/28.5
Size Width [mm/inches]	1,500/59
Side Depth [mm/inches]	430/17

\*Other technical data and model informaiton available on request.



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