

VIBRATION POLISHING MACHINE

Vibration Polishing Machine (Master of Complex Structures): It is designed for porous, hollow, and intricate jewelry, solving polishing challenges in hard-to-reach areas like earring backs, chain links, and relief details. Ideal for:

- Materials: Silver, K-gold, copper alloys, plated accessories
- Workpieces: Beads, pendants, filigree, perforated clasps
- Objectives: Deburring, scratch removal, matte-to-mirror finishes



CENTRIFUGAL POLISHING MACHINE

Centrifugal Polishing Machine (High-Speed Expert for Precision Parts): Optimized for ultra-smooth, mirror finishes on high-value micro-components:

- Critical Workpieces: Prong settings, micro-clasps, precious metal fittings
- Objective: Achieve $Ra \leq 0.1\mu m$ super-mirror finishes for enhanced gem reflection



DRY/WET EDDY CURRENT GRINDING POLISHING MACHINE

Dry/Wet Eddy Current Grinding Polishing Machine (Gentle Solution for Curved Surfaces): Specialized for scratch-sensitive curved jewelry, preserving plated/enamel finishes:

- Typical Workpieces: Relief bracelets, enamel pendants, soft silver carvings
- Core Value: High gloss + zero scratching for delicate surfaces



Parameter		Vibration Polishing Machine	
Model	CDO-VPM40	CDO-VPM60	CDO-VPM80
Voltage	380V, 3 Phase, 50Hz	380V, 3 Phase, 50Hz	380V, 3 Phase, 50Hz
Power	550W	750W	750W
Capacity	40L	60L	80L
Rotation rate	1450R/Min	1450R/Min	1450R/Min
Size	φ50*62mm	φ64*62mm	φ80*75mm
Weight	50kg	85kg	100kg

Parameter		Centrifugal Polishing Machine	
Model	CDO-CPM30	CDO-CPM40	CDO-CPM50
Voltage	380V, 3 Phase, 50Hz	380V, 3 Phase, 50Hz	380V, 3 Phase, 50Hz
Motor power	2.2 KW	2.2 KW	3 KW
Total capacity	30L	40L	50L
Polishing tank capacity	4*7.5L	4*10L	8*6.2L
Polishing tank size	φ175*275mm	φ175*355mm	φ175*235mm
Rotation rate	1800 rpm	1800 rpm	1800 rpm
Outer Dimensions	1080*960*1400mm	1180*960*1400mm	1280*960*1400mm
Weight	600kg	650kg	720kg

Parameter				Eddy Current Polishing Machine		
Model	CDO-GPM18-1	CDO-GPM18-2	CDO-GPM18-3	CDO-GPM36-1	CDO-GPM36-2	CDO-GPM36-3
Voltage	220V, 1 Phase, 50Hz	220V, 1 Phase, 50Hz	220V, 1 Phase, 50Hz	380V, 3 Phase, 50Hz	380V, 3 Phase, 50Hz	380V, 3 Phase, 50Hz
Motor power	0.75 KW	2*0.75 KW	3*0.75 KW	2.2 KW	2*2.2 KW	3*2.2 KW
Rated volume	18L	2*18L	3*18L	36L	2*36L	3*36L
Working volume	14L	2*14L	3*14L	28L	2*28L	3*28L
Outer Dimensions mm	690*850*1440	1170*850*1440	1680*850*1440	880*780*1440	1480*780*1440	2120*780*1440
Weight	140kg	235kg	330kg	220kg	370kg	530kg

Features

1. CDOCAST jewelry polishing machine is suitable for polishing various metals (gold, silver, copper, etc.) and hard synthetic materials.
2. Completely eliminating the reliance on traditional manual polishing, CDOCAST jewelry polishing machine has achieved full process automation, reducing labor costs.
3. The jewelry polishing machine has versatile surface treatment capabilities, such as efficient deburring, deep cleaning, gloss enhancement, and edge passivation.
4. The polishing process can achieve non-destructive fine processing, and gentle vibration can avoid deformation of thin-walled/precision parts.
5. Improved Workflow – makes polishing easier and makes it possible to manage workflow more effectively.
6. Excellent production efficiency – with a single processing capacity of tens of kilograms, the efficiency is 20 times higher than manual polishing.
7. Our jewelry polishing machine is easy to operate, low maintenance, and has super economy, reducing labor costs.
8. The jewelry polishing machine is perfectly adapted to various industries, such as jewelry, hardware tools, medical equipment, electronic components, automotive parts, and more.

Application

