

Coin Deformation System

Model: YD-CD02

Technical solution for central banks and authorized coin processing facilities

An enclosed processing system for deforming withdrawn coins, controlling material access, and recording the movement of each batch from loading to collection.



Previously manufactured YUEDU equipment shown as an appearance and construction reference. The coin system configuration follows the agreed project specification.

Controlled processing from intake to collection

Coins pass through a holding bin and infeed conveyor to the roll deformation unit. Applied pressure bends and damages the coin surface. A discharge conveying unit transfers the treated material into a collection bin for weighing and controlled release.

Model	YD-CD02
Capacity	Up to 100 kg/h
Power supply	8 kW total installed power 380 V / 50 Hz
Design layout	4,500 × 1,500 × 1,800 mm (L × W × H)

Capacity depends on coin material, dimensions and feed conditions. Installation dimensions and the required coin deformation result are confirmed for each project.

System configuration and operating workflow



Processing flow inside the controlled enclosure

Processing method	Roll pressure deformation to bend and damage the coin surface.
Material handling	Coin holding bin, infeed conveyor, roll deformation unit, discharge conveying unit and scrap collection bin.
Power and capacity	8 kW; 380 V / 50 Hz; maximum stated throughput 100 kg/h. Confirm compatibility with local power and the intended coin mix.
Controlled enclosure	The supplied layout shows an isolated enclosure with dimensions of 4,500 mm length, 1,500 mm width and 1,800 mm height. Allow space for maintenance and operator access.
Access control	Key controlled loading and unloading openings.
Process visibility	Video monitoring throughout the internal process.
Weight records	Recorded input and output weights for batch reconciliation.
Noise and containment	The design specifies noise within 75 dB and an enclosure intended to prevent dust leakage. Measurement position and operating conditions are agreed for acceptance.

Batch handling sequence

1. Register the batch, coin types and starting weight.
2. Open the loading point under authorized access and load the holding bin.
3. Transfer coins to the roll deformation unit for treatment.
4. Convey the treated material into the collection bin.
5. Record output weight, reconcile the batch and authorize release of the material.

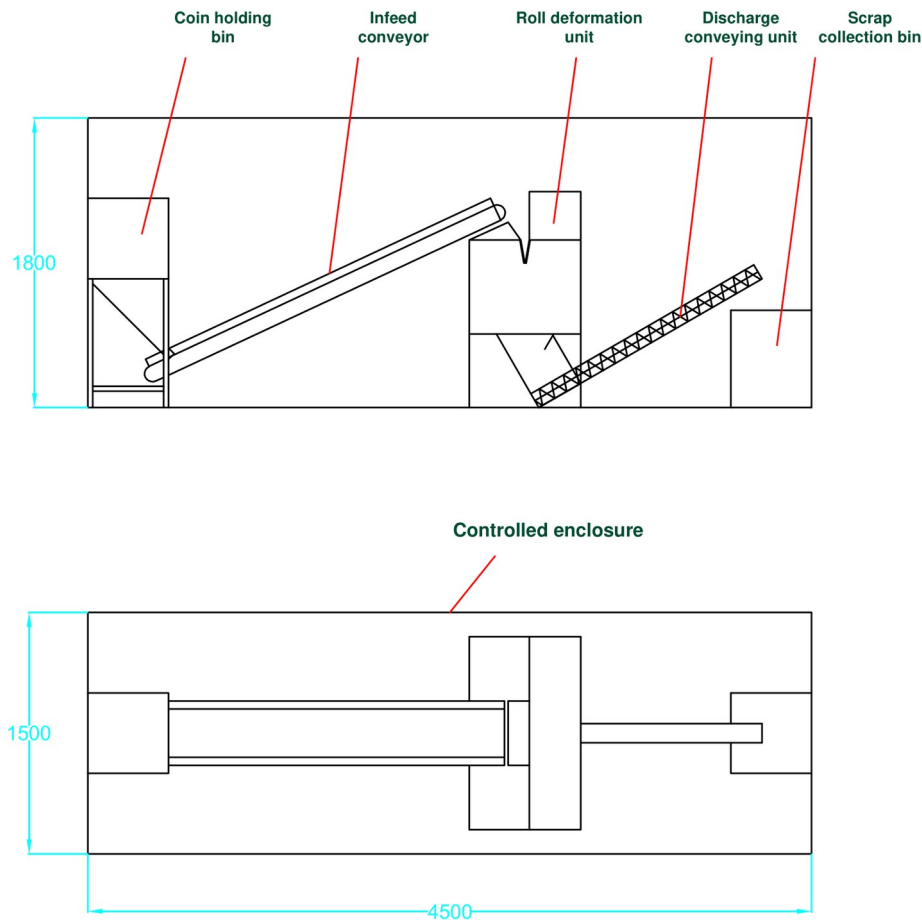
Operating controls

Define key custody, camera coverage and recording retention, scale calibration, reconciliation tolerances, and the handling of residual coins. Confirm guarding, emergency stop, jam clearance, power loss recovery and maintenance access in the final equipment specification.

System layout

Equipment arrangement and enclosure dimensions for project planning.

YUEDU Coin Deformation System Layout



Layout dimensions are shown in millimetres. Final installation drawings include the agreed access and maintenance clearances.

Project confirmation and acceptance

Provide coin denominations, materials, diameter and thickness, representative samples, daily quantities, operating hours and the required final condition. Testing with the agreed coin mix confirms deformation results, sustained throughput and handling performance.

Agree acceptance criteria for preventing reuse, including any requirements for unreadable coin features or prevention of reassembly. Verify access control, video coverage, weight reconciliation, noise and containment during acceptance testing.

The project quotation defines the enclosure, cameras, weighing instruments, local power adaptation, installation and related supply scope.

Previously manufactured YUEDU equipment

Appearance and construction references from completed YUEDU equipment. The photographs show enclosure designs, operator interfaces and access arrangements; the final coin system follows the agreed project configuration.



Enclosed equipment - front view



Alternative enclosure - front view



Enclosure and operator access



Side access and enclosure panels



Upper enclosure and side view



Feed opening detail

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