



We **do more** for productivity

## C 100 High-Speed Single Sided Tablet Press

The new dimension for performance and economy



## Features

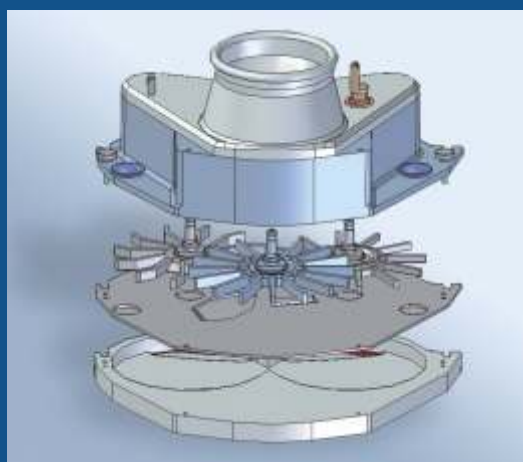
- Exchangeable turret
- Ultra fast PLC control
- Automatic weight control through CFC
- Design conforming to cGMP & FDA
- Tablet output : Up to 180000 Tablets / Hour
- 15" Touch screen operator panel
- Large range of accessories:
  - Uphill – deduster
  - Online weight check system
  - Metal detector





## Advanced Filling System

- User friendly assembly / disassembly without special tools
- 3 paddle force feeder with direct product flow for improved granule distribution and optimized filling
  - Frequency drive for high uniformity with different products
  - Minimized product losses through advanced sealings
  - High weight consistency at high speed



## Cadmach

Cadmach is part of a well established and successful corporation, incorporating global pharmaceutical and pharmaceutical machinery companies.

Since inception Cadmach established a high reputation for care & dedication by continuous innovation, quality & high standards of performance, resulting in substantial market shares in India, USA, Africa & various Asian and Middle East markets.

The Khambhatta family has been serving the Indian pharmaceutical industry for over 45 years and enjoys a high level of trust & confidence.

Several European & US companies value Cadmach as a reliable partner for marketing their products in India.

With an installed base of over 10,000 machines, Cadmach has accumulated the expertise and applications know-how to develop productive solutions with excellent economics.

Continuous pressure on profit margins and operational costs in the pharmaceutical industry require new concepts for reducing manufacturing-costs and CAPEX related to pharma machinery. Simultaneously plant availability and equipment effectiveness must be increased.



Mr. Pankaj R. Patel  
Director Cadmach



Mr. Vinit Khambhatta  
Director Cadmach



Mr. Ketan Khambhatta  
Director Cadmach

Cadmach has taken this challenge & presents a newly developed range of high performance tablet presses incorporating industry's requirements for performance, quality & economics of investment.

The Single Sided Tablet Press C 100

The Double Sided Tablet Press C 300



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## Single Sided Tablet Press

- Main & Pre compression 80 kN



## Turret for Improved OEE

- 3 piece turret for D, B & BB tooling
- Max turret speed 100 RPM
- Rapid format & product changeover
- Reduction of down time by using additional exchange turret
- Reduction of cleaning time
- Turret exchange does not require revalidation or qualification





## Features

- Vibration absorbing, compact design for high output at small footprint
- Stainless steel / nickel plated components in compression area
- Dust tight separation between process & technics area
- Dust extraction at main & pre compression area
- Design for safety & easy maintenance
- Large windows on 4 sides
- Acoustic design for reduced noise level
- Improved accessibility & effective cleaning
- Upper & lower doors with safety interlocks
- LED operation mode display

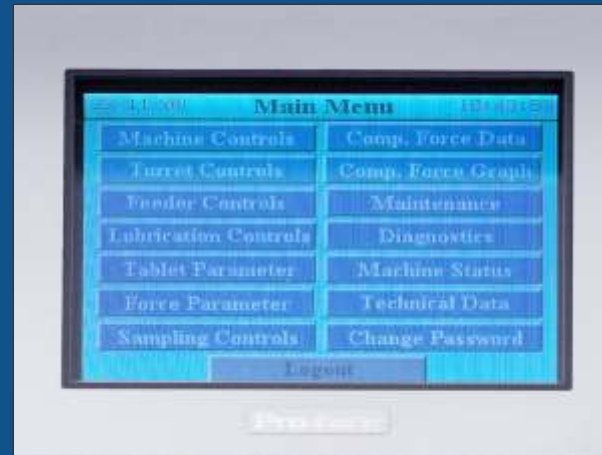




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## Control Features

- 21 CFR part 11 compliance
- Automatic weight control through compression force measurement & relative dosage control
- Measurement of main & pre compression
- Ejection force measurement (optional)
- Bad & single tablet rejection
- Machine auto set up
- Various punch protection strategies
- Tablet sampling device
- Recipe parameters & management
- Memory storage 100 recipes (extension optional)
- Batch documentation / printing
- Machine status with release & indication alarms
- Multilevel password strategies



## Technical Specification

Type	C100-20D	C100-24B	C100-30BB
No. of Stations	20	24	30
Type of Tooling	D	B	BB
*Rated Output/h	12,000 to 96,000	14,400 to 144,000	18,000 to 180,000
Turret Rotation Speed min <sup>-1</sup>	10 - 80	10 - 100	10 - 100
Max. Main Comp. Force kN	80	80	80
Max. Pre Comp. Force kN	80	80	80
Max. Tablet Diameter mm	25	16	13
Max. Depth of Die Fill mm	20	17	17
Max. Tablet Thickness mm	8	8	8
Upper Punch Penetr. Depth mm	3 - 6	3 - 6	3 - 6
Power Consumption kW/hp	5.6 / 7.5	5.6 / 7.5	5.6 / 7.5
Power Supply Data	220 V / 380 V / 415 V / 480 V +/- 10% - 3 Ph - 50 / 60 Hz		
Overall Dimensions mm	1172 W x 1336 D x 1929 H		
Net Weight approx kg	2100	2100	2100

- \* Depending upon tooling size & shape and also material characteristics
- \* If tool are large and filling depths is high the machine cannot be run at the highest capacity.

Because of the technical progress Cadmach reserve the rights of alteration





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## Foot Print

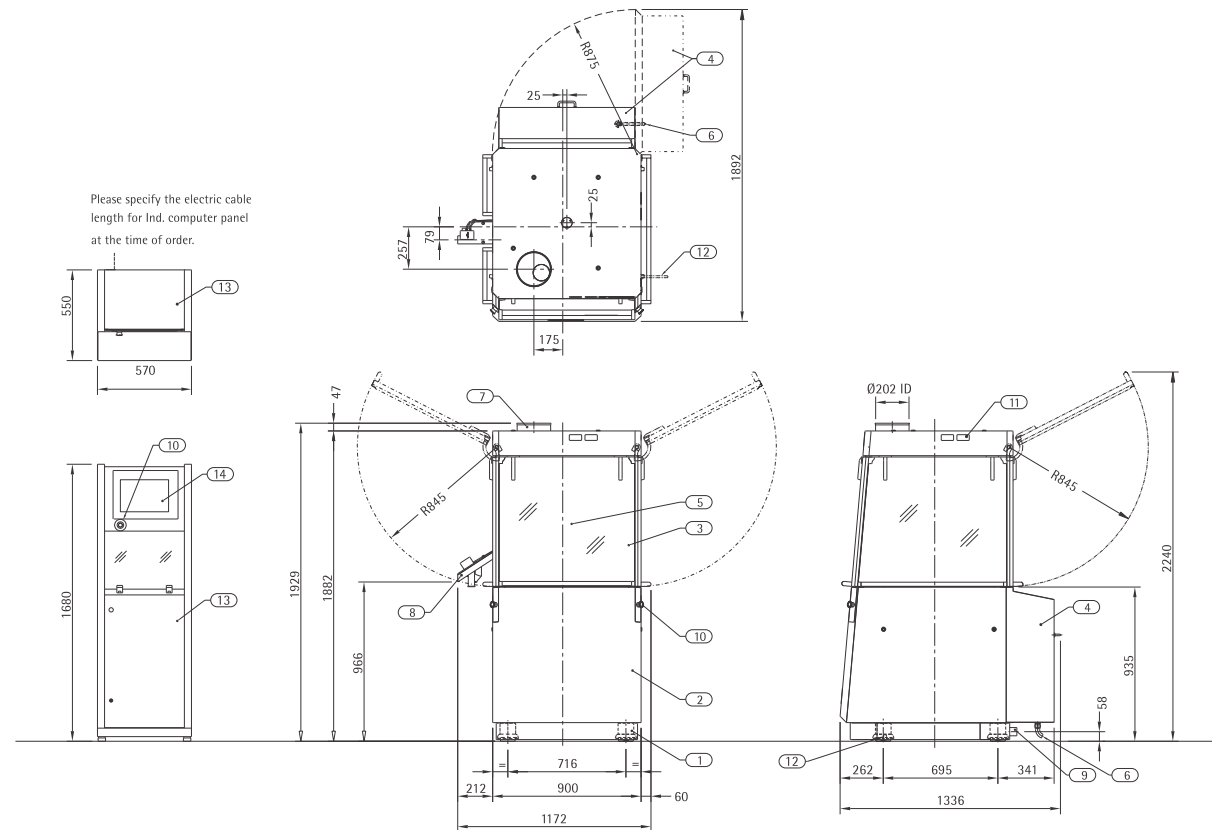
Code No.	Description
1	Anti vibration mount
2	Lower guards
3	Upper guards
4	Inbuilt electric panel box (hinge type)
5	Tableting zone
6	Electric supply cable
7	Hopper
8	Discharging chute
9	Dust extraction outlet nozzle ( $\phi 50$ )
10	Emergency push button
11	Machine light
12	Air inlet
13	Computerised control panel (107 kg)
14	Operator terminal with 15" touch screen

### Note

- All dimensions are in millimeter
- Minimum space required for installation of the machine
  - Depth = 3658 mm (12')
  - Width = 3658 mm (12')
  - Height = 3048 mm (10')

### Utilities

Power consumption : 6 kW, 415 V, 3 ph, 50/60 Hz  
 Suction air : 150 CFM  
 Compressed air : 5 kg/cm<sup>2</sup>







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## Cadmach Technology Center

### Service / Maintenance

- Mechatronics qualified service engineers

### Scope of Services

- Installation
- Commissioning
- Validation
- Maintenance
- Calibration
- Customizing

### Training

Individual training programs tailored to customer's requirement

### Spare Parts

Cadmach original spare parts are available from the

Cadmach Technology Center Europe within 24-48 Hours\*

\*availability for standard parts and if order received by 12am the previous day



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