



Make it better.

MACHINERY

Tablet compression



Contents

SINGLE ROTARY PRESSES

- 3 LEGACY 6100
- 4 PROTAB™ 300

DOUBLE ROTARY PRESS

- 5 PROTAB™ 700

SPECIAL ATTACHMENT

- 7 PARAMOUNT turret

SINGLE ROTARY PRESS

LEGACY 6100

Find this information on our website:
 Machinery > Tablet compression > Single rotary tablet compression >
 LEGACY 6100

To stay ahead of the pharmaceutical markets' quality requirements, you need a robust and versatile machine that can match your production requirements.

ACG's LEGACY 6100 is a single-rotary, fully automated tablet compression machine with wide-ranging features that boost production efficiency and help you respond effectively to rising market demands.

Applications

Compression of pharmaceutical and nutraceutical granules and MUPS into monolayer tablets



Features	Benefits
Available with specialised kits for Multiple-Unit Particulate Systems (MUPS) and challenging formulations that use ingredients (powder) which are abrasive, corrosive or have poor flow properties	Reduced segregation and crushing of pellets and powders means improved tablet uniformity and dependable dissolution profiles. The specialised kit deals far more effectively with abrasive ingredients
The largest feeder coverage (up to 9 feeders) in its class	Accurate dosing for reliable high-speed production
Interchangeable turret design	Quick, easy changeover means reliable output of tablets of all shapes and sizes
Highest production to Pitch Circle Diameter (PCD) ratio using patented Paramount turret	Up to 27% increase in output
Precise single sorting, sampling, and rejection of tablets at rated RPMs	Ensures accuracy and repeatability of the required specification criteria (weight, height, thickness) of the tablets being produced
Largest available compaction rollers (with a diameter of 290mm)	Effective compressions due to increased dwell time

Technical specifications

Punch type	D	B	BB	BBS
Punch stations	37	45	61	67
Output	222,000 tablets / hr	270,000 tablets / hr	366,000 tablets / hr	402,000 tablets / hr
Maximum tablet diameter	25 mm	16 mm	13 mm	11 mm

SINGLE ROTARY PRESS

PROTAB™ 300

PROTAB™ 300 is a single rotary tablet press suitable for R&D, small and medium-batch production, making scalability far easier. With operator-friendliness front of mind, it's loaded with state-of-the-art features that take automatic tablet compression to another level.

It helps increase output and secures greater production uptime, and makes routine tablet-compression processes far more intuitive and efficient, thanks to an upgraded user interface and interactive dashboard.

Applications

Compression of pharmaceutical and nutraceutical granules and MUPS into monolayer tablets



Find this information on our website:

Machinery > Tablet compression > Single rotary tablet compression > PROTAB 300

Features	Benefits
An R&D turret with combinations for testing different types of formulation and tooling	Easily scalable from R&D batches to pilot, on the same machine
Available with specialised kits for multiple-unit particulate systems (MUPS) and challenging formulations that use ingredients (powder) that are abrasive, corrosive, or have poor flow properties	Reduced segregation and crushing of pellets and powders means improved tablet uniformity and dependable dissolution profiles The specialised kit deals far more effectively with abrasive ingredients
Interchangeable turrets	Flexibility of compressing various tablet sizes at varying speeds
Lightweight and toolless design of assemblies	Mechanical changeover in less than 30 minutes means greater efficiencies in production
InstAmend technology for faulty punch detection and rectification	Eliminates long process interruptions and reduces downtime
Precise single sorting, sampling and rejection of tablets at rated RPMs	Ensures accuracy and repeatability of the required specification criteria (weight, height, thickness) of the tablets being produced
Sophisticated feeder design	Leftover powder (<50 g) reduces loss of valuable formulation

Technical specifications

Punch type	D	B	BB	BBS
Punch stations	21	27	34	36
Output	126,000 tablets / hr	162,000 tablet / hr	204,000 tablets / hr	216,000 tablets / hr
Maximum tablet diameter	25 mm	16 mm (L=19 mm)	13 mm (L=14 mm)	11 mm

DOUBLE ROTARY PRESS

PROTAB™ 700

With PROTAB™ 700, ACG has pushed technological boundaries to simplify tablet compression. From basic functions to advanced processes, this double-rotary tablet-compression machine is all about absolute efficiency – without compromise. It's designed with input from process experts, and is ideal for manufacturing large-scale campaign batches.

Applications

Monolayer and bilayer tablets



Find this information on our website:

Machinery > Tablet compression > Double rotary tablet compression > PROTAB 700

Features	Benefits
Retrofittable bilayer kit	Produce bilayer tablets of the highest quality
Equipped with InstAmend technology	Detect and rectify faulty punches immediately, and eliminate long process interruptions and unnecessary downtime
Interchangeable turret design	Flexibility of compressing various tablet sizes at varying speeds
Servo-based automatic weight control	Produce high-quality tablets of consistently precise weight
Sophisticated feeder design that achieves 100g / feeder of leftover powder	Increased yield and reduced loss of valuable formulation
Toolless design of assemblies	Shorter production time due to faster, simplified batch-to-batch changeover
Faster, simplified batch-to-batch changeover time of 60 minutes	
Individual layer-sampling and rejection of defective bilayer tablets	Easier sampling with no compromise on quality

Technical specifications

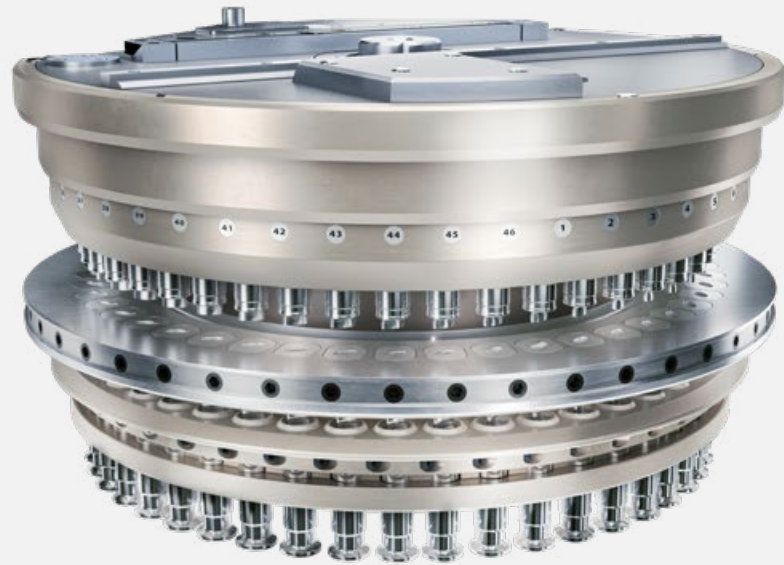
Punch type		D	B	BB	BBS
Punch stations		51	63	79	85
Output	Monolayer tablets	489,600 tablets / hr	604,000 tablets / hr	758,000 tablets / hr	816,000 tablets / hr
	Bilayer tablets	153,000 tablets / hr	189,000 tablets / hr	237,000 tablets / hr	255,000 tablets / hr
Maximum tablet diameter		25 mm	16 mm	13 mm	11 mm



SPECIAL ATTACHMENT

PARAMOUNT turret

Our PARAMOUNT turret containing uniquely designed die pockets, has taken high-speed tablet compression to the next level. With more stations, it ensures higher productivity, a 27% increase in output, and faster batch manufacturing with no additional footprint.



Find this information on our website:

[Tablet compression > Single rotary tablet compression > LEGACY 6100 > PARAMOUNT turret](#)

Features	Benefits
Contains more stations (46 D, 57 B) compared with standard turrets	High productivity, increasing output by 27%, without compromising on dwell time
Innovatively designed die shells to accommodate more dies	Allows manufacturing of tablets of different shapes and sizes using a single turret
Compatible with our LEGACY 6100 tablet compression machine	Easy installation in existing machine
100% interchangeable punches	Optimised costs and inventories of punches

Technical specifications

Tooling type	D	B
Number of stations	46	57
Rated speed	100 rpm	100 rpm
Output	276,000 tablets / hr	342,000 tablets / hr
Tablet size	25 mm	18 mm

Aftermarket. Not afterthought.

At ACG, we understand that when you get a new piece of factory equipment, you're buying far more than a machine; you're also investing in a relationship that will last its lifetime.

That's why we take our aftermarket service so seriously.

Whether you need advice or training, are preparing to make your factories 'smarter', or simply need a machine fixed fast, know that ACG will always go above and beyond to offer excellent service and value. As far as we're concerned, we're in this together – for life.



Let's talk.

Get in touch to find out more about our range of products and services. If you have specific equipment needs, we can even collaborate on delivering a purpose-made solution. We look forward to chatting.

Email us
sales.engineering@acg-world.com

North America

Canada
United States

Central and South America

Bolivia
Brazil
Colombia
Cuba
Dominican Republic
El Salvador
Guatemala
Paraguay
Peru
Venezuela

Europe

Bulgaria
Croatia
Czech Republic
Denmark
Germany
Greece
Italy
Latvia
Lithuania
Macedonia
Poland
Russia
San Marino
Serbia
Spain
Switzerland
Ukraine
United Kingdom

Africa

Algeria
Egypt
Ethiopia
Kenya
Morocco
South Africa
Tunisia

Middle East

Iran
Iraq
Israel
Jordan
Saudi Arabia
Syria
United Arab Emirates

Asia Pacific

Australia
Bangladesh
China
India
Indonesia
Malaysia
New Zealand
Philippines
South Korea
Sri Lanka
Taiwan
Thailand
Vietnam



Make it better.

ACG Engineering headquarters

127 Kandivali Industrial Estate,
Kandivali West, Mumbai 400 067,
India

+91 22 3078 0701 / 02

www.acg-world.com