



**PHARMA**  
Engineers & Consultant

***Ayurvedic***

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## ABOUT US

Nu Pharma Machinery was setup in **2005** with the objective to develop & provide process technology offering of international standard. Nu Pharma has full fledge manufacturing setup with proper infrastructure to produce equipment which are as per cGMP STD, Energy efficient and with design that have high level of performance & reliability.

Nu Pharma machinery is certified with ISO and CE standard to achieve systemized manufacturing excellence

## Mission & Vision

### Our Mission

To provide technical excellence through innovation, teamwork and commitment

### Our Vision

To be a leading company in in the field of Pharmaceutical Process technology



## Qualification Documents







**Nu Pharma** Engineers & Consultant is specializes in the manufacture of Tablet Compression Machine, also popularly known as Tablet Press.

Series of cams, punches and rollers makes up Tablet Compression Machine, sometimes mechanical devices are added for filling and ejecting Tablets. All the spares are precisely crafted and made from high quality materials which are corrosion free and robust. **Nu Pharma** is also expert in manufacturing containers which are important for precise weight control.

Whether you want to produce vitamin Tablets or Ayurvedic Tablets or cosmetic products, whether you need a single station tablet press ,single-station /double station, high speed tablet press, manually operated Tablet press, or a heavy-duty, high-output, automated Tablet press, You can buy tablet press according to your need from our dynamic range of Tablet Press.

## Some of the salient and unique features of Tablet machine from Nu Pharma Engineers and Consultant;

- Produces Precise, consistent, and accurate Tablets with Precise weight control technique
- Easy to operate, provides operator safety
- Easy and Quick to clean, Hygienic operations
- Pre-compression facility in High Speed Tablet machines
- High quality material makes the machine corrosion free

**Nu Pharma** has many varieties of Tablet Press Machine like High Speed Rotary, Single Side, Double Side and R&D Machine; all these variants have sub types too which helps achieve particular production goal.

## SALIENT FEATURES :

- Fully Computerized System
- PLC-MMI/HMI Control System
- Turret Fully Electro less Nickel Plating
- Frequency Drive
- Force Feeding System - through AC Variable

TECHNICAL SPECIFICATIONS						
Model	NUP-8	NUP-10	NUP-12	NUP-D-16/20/27	NUP-35	NUP-45
No. of Station	8	10	12	27	35	45
Type of Tooling	D	D	D.B & BB	D	B	BB
Output Tablets / Hour*	2000 to 14400	2000 to 18000	2000 to 7200	46000 to 96000	63000 to 120000	81000 to 160000
Maximum Operating Pressure	6 Ton	6 Ton	6 Ton	10 Ton	6.5 Ton	6.5 Ton
Power	2 Hp/1440 RPM	2 Hp/1440 RPM	2 Hp/1440 RPM	5 Hp / 3.7 kW	5 Hp / 3.7 kW	5 Hp / 3.7 kW

Depending upon the characteristic of material and shape & size of tablets.

\* Above technical specification is for R& D and lab scale model, Nu Pharma has wide range of production model and same can be provided according to customer requirements

## Pin Mill

### KEY FEATURES :

- High energy efficiency
- Low heat generation
- Easy to clean
- Variable particle size depending on RPM
- Uniform size particles
- High throughput
- Capable of handling variety of materials
- Choice of construction material
- Compact size
- Mechanical / Pneumatic conveying option



### WORKING PRINCIPLE:

- Material fed in center between counter rotating rotors with cylindrical pins.
- Centrifugal force pushes the powder to periphery.
- The powder contacts with the cylindrical pins and are size reduced due to the impact.
- The force exerted is proportional to the tip speed (up to 130m/s).
- The powder passes through a sieve fixed at bottom
- Fineness of the particles can be adjusted by controlling the RPM
- Cyclone separator to collect the powdered material
- The continuous circulation of air in the system prevents any heat buildup during the operation.
- Generally for large outputs, collection is done pneumatically with the help of blower. The end product is collected in cyclone collector. Fines are collected in fabric type dust collector.
- Output material collection is done by screw conveyor

### APPLICATIONS : Size reduction of variety of materials

Paints Powder, Powder Soap, Lithopon, Tark, Celluloid, Dye-stuff, Bakelite Pigments, Animal Charcoal, Sugar, Wheat, Barley, Maize, Rice Powder, Tapioca root, Starch, Tomato, Corn, Powder of sweet potato, cereals, spices, Resin, Bark Pyrethrum flower, Charcoal powder, Dried grass,

Ayurvedic herbs & leaves, Mehendi Leaves, Tobacco leaves, Oyster shells, Bone powder, Soya bean cakes, paper powder, Tea, Bran & husk powder, General manure, Quick lime, Clay, Coal Plaster, Graphite Antimony, Aluminium, Golden Ore, Ceramics, etc.

### Capacity :-

Minimum: - 10 Kg/hr

Maximum: - 3000 Kg/hr

\*Capacity can be customized according to client need

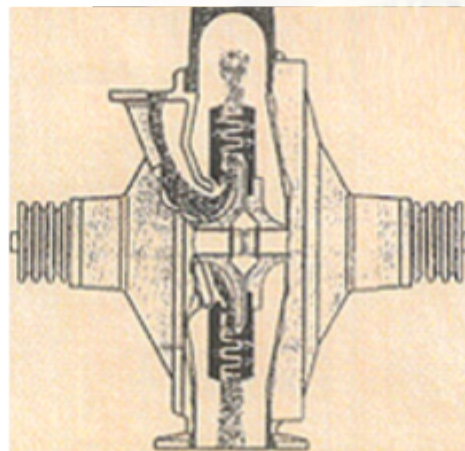


## Other Versions of Pin Mill

**Nu Pharma** has holds in industries for customized design in Pin Mills

### Pin Mill with Both disc Rotating

These pin mills have both discs rotating either in one direction or opposite direction. The relative speed is very critical and is maintained within design limits. The discs are rotated by two independent motors. by two independent motors. These pin mills are without These pin mills are without screen and produce fine particle size.



### Pin Mill with pneumatic conveying system



These pin mills have both discs rotating either in one direction or opposite direction. The relative speed is very critical and is maintained within design limits. The discs are rotated by two independent motors. by two independent motors. These pin mills are without These pin mills are without screen and produce fine particle size

## Edge Runners



**Nu Pharma** is offering Edge Runner for pharma & ayurvedic industries. We have different size of Edge Runner according to customer requirements.

**Nu Pharma** is offering End Runner Mill for Ayurvedic & Herbal Product. Used prominently in the pharmaceutical industry, these machines have gained immense industry acceptance. Our experts carry out the manufacturing procedure using the latest technology and thus, ensure these offerings to be of incomparable quality standard. Our range is manufactured using quality materials and offered at competitive prices.

### Features:

- Accurate performance
- Easy to operate
- Low in maintenance

### Product Details:

Capacity	5kg to 300kg
Design Type	Customized
Type	Kharal

## S. S. & Granite Edge Runner Mill

We have attained wide recognizance in the market for manufacturing and supplying best in class Granite Edge Runner Machine. Widely used in **ayurvedic medicine industry**, our offered machines possess high durability and excellent finishing aspects. These machines are designed in accordance with latest industrial norms with the use of modern-age technology and finest-grade material. In addition to this, our offered machines are supplied to customers at nominal price tags.

- Features :**
- Excellent grind finishing
  - User-friendly
  - Operations High accuracy

### Product Details:

Brand	PMIX
Design Type	Customized
Power	2.5 kw
Wheel Diameter	900 mm
Pan Diameter	1585 mm



## Leaf Crushing Extruder

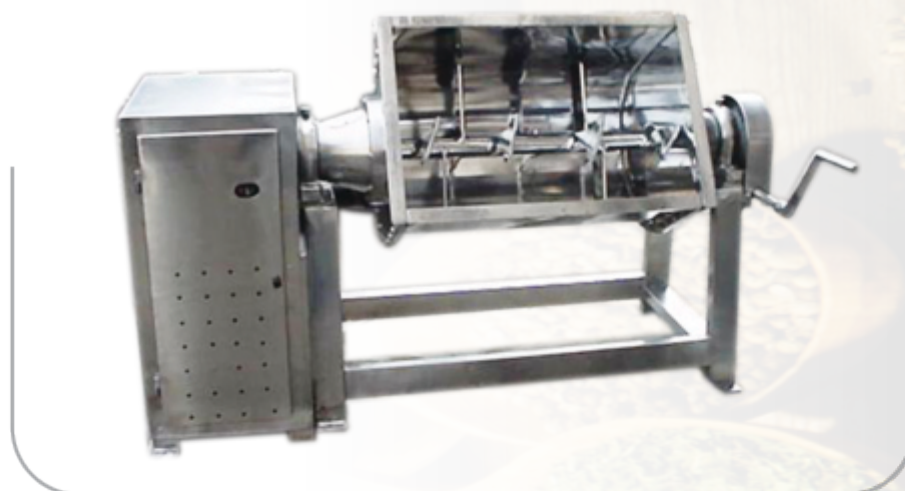
**NU Pharma** has a capability to do this type of R&D machine, Wet leaf will be extruded in this machine to separate "ARK" and Dry leaf for final process.

This Technology is successful working in one of the largest organization in India.





## Mass Mixer



Nu Pharma is offering mass mixer with consists of a rigid fabricated structure motor, gear box, mixing drum, stirrer and tilting device. Specially designed self-adjusting sealing arrangement of unique design is provide to ensure that no black particle enters into mixing drum. The tilting device is provided to make easy the unloading of the material and easy cleaning of the mixing drum. Special designed mixing paddle is provided to make sure of homogeneous mixing in drum. All arrangements has been mounted on sturdy frame.

### Application & Process:

The mass mixer is designed for uniformly mixing of dry and wet material and especially suitable for powder of pharmaceuticals, Ayurvedic & Chemicals.

### Safety Arrangements:

Cover of drum is interlocked. The mechanism does not let the machine start until the cover is properly closed

### Features :

- In compliance with cGMP guidelines
- Homogeneous efficient mixing through paddle type blades welded to the main shaft which is horizontally mounted in the container & has single speed, simple rotation
- All Contact parts of SS 304 Material. (Contact parts of SS 316 material is optional)
- Easy Cleaning and operating
- Interlocking system on cover is provided to avoid the accident
- Tilting device provided by means of Hand wheel for easy unloading of material
- Models for small scale, lab Scale capacity as per customize requirements are available
- FLP construction can be provided with extra cost.

### Capacity:

Model	NUMM-50	NUMM-100	NUMM-150	NUMM-200	NUMM-300
Working Capacity	110 Ltrs	220 Ltrs	330 Ltrs	440 Ltrs	560 Ltrs
Speed of Paddle	35 RPM	35 RPM	30 RPM	25 RPM	20 RPM
Electric Power	3 HP / 1440 RPM	5 HP / 1440 RPM	7.5 HP / 1440 RPM	10 HP / 1440 RPM	15 HP / 1440 RPM
Foot prints in mm (L X B X H)	1900 X 950 X 1150	2100 X 950 X 1150	2300 X 1000 X 1500	2600 X 1200 X 1700	2850 X 1250 X 1800

## Coating Pan



Nu Pharma is offering Coating Pan with consists of an Ellipsoidal pan mounted on suitable stand and driven by a motor through suitable gear box. The Pan made out of SS 316 and has welded baffle in it. This baffles helps in tumbling of the tables/ Material into the pan while rotating. The speed can be changed by a 3 step pulley or by VFD drive provided in the control panel. There is a Hot air blower provided along with the coating pan with heater assembly and a flexible SS Pipe which goes into the pan for drying of the tables/ Material into the pan after coating. Control panel is provided which consists of starter or VFD, Digital temp. Controller for controlling temperature.

Spraying system is also provided along with the coating pan for the film coating/ sugar coating into the tables. This consists of suitable capacity pressurized vessel with spray gun mounted on the stand. Alternately a peristaltic pump is provided to transfer the liquid onto spray gun and then sprayed into the pan

Exhaust blower is provided as option for exhausting fumes generated by the spraying of the liquid into the tables/ material in the coating pan.

Wet scrubber is also provided as an option for neutralizing the exhaust fumes before entering into the open atmosphere.

### Features:

- In compliance with cGMP guidelines
- All Contact parts SS 316/ SS 304 & Non- Contact parts SS 304
- Conventional coating system for manual film coating and sugar coating
- Easy interchange facility with different size of Pan
- FLP construction can be provided with extra cost.

### Capacity :

S.no.	NUCP - 24"	NUCP - 36"	NUCP - 48"	NUCP - 60"	NUCP - 72"
Loading Capacity	25	60-80	100-120	150-200	250-300
Pan RPM	24 / 72	12 / 36	10 / 30	8 / 24	5 / 10
Drive Motor HP	0.5 HP	1 HP	2 HP	5 HP	7.5 HP
Hot Air Blower HP	0.25 HP	0.5 HP	1 HP	1 HP	1 HP
Blower Capacity (CFM)	100	200	500	750	750
Heater KW	1.5	1.5	1.5	1.5	1.5



## Pulveriser



**Nu Pharma** hold industry expertise for developing a wide assortment of Pulverizer Machines that is extensively used to convert powder from granules.

### Purpose of the machine:

This machine is also useful for grinding ayurvedic jadi buti, husk of grains, husk of groundnuts, husk of pulses, maize(maka), poultry feeds, husk of soybean etc. Turmeric(halad), red chillies(mirchi), coriander(kothimbir/dhaniya) and hot Spices (garam masala) are grinded in this machine..

### Information about the machine :

While grinding spices in this machine, spices don't get hot and there is no decolouration. Machine has a cyclone tank and pipe, so the cleaning and fitting is easy. The whole machine is made of M.S. heavy plate. High quality ball bearing (dust proof) is attached to this machine. So, it lasts longer. Average and fineness depends on Particle size, jali & nature of the material.

### Capacity :-

S.no.	H.P	Electric Power	Chamber Size (Indch)	Capacity (kg/hr) Roughage Process
1	2 - 3	1/3	5 x 10	40 - 50
2	5 - 7.5	3	6 x 12	125 - 150
3	10 - 15	3	8 x 14	300 - 325
4	20 - 25	3	12 x 16	400 - 600
5	40 - 50	3	18 x 24	700 - 1100
6	50 - 60	3	20 x 24	1400 - 1500

## Pills Making & Cutting M/C

**Nu Pharma** has provided excellent quality of pills making machine.

Information about the machine :

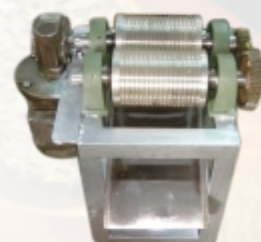
Stick Rod Making Machine (Hand Operated & Motorized) :

It makes the elongated stick of the mixed material to be fed into motorized pills cutting machine. Supplied with one no. disc of any size.

Motorized Pills Cutting Machine: It consists of sets of two rollers with cut groove spaces for suitable size of pills to be prepared. It is motorized operated with 0.5 HP, single phase motor and belt. The unit is with one set of roller of desired size of pills 4 to 12 mm.

### Specification

- Size of Pills :- 4 to 12 mm
- Material :- SS & MS



## VIBRO SIFTER

### Salient Features :

- Reduced power consumption as compared to conventional sifter
- Better throughput due to springs amplified vibrations
- Vibrations are not transmitting to the floor
- GMP model fully SS 316 / 304 is available
- Multiple deck option available
- Dust proof working, phytochemicals, g possible (closed system)



## PASTE KETTLE

### Salient Features :

- Service :- Starch Paste Preparation (Binder preparation).
- Model / Size :- 5 Liters to 100 Liters.
- MOC :- Contact Parts SS 316, Non Contact Internal Parts Clouded / Covered with SS 304.
- All internal surfaces have smooth rounded edges Internal surfaces smooth mirror
- Polished Easy access to internal parts for cleaning through large openings and drain ports for cleaning are provided.
- Charging :- Through open top.
- Special Features (Optional) :- The kettle is provided with/without-tilting arrangement with optional bottom discharge ball valve.
- The kettle also has provisions to be lifted by the mobile or fixed loader to charge the RMG.





## Herbal Extraction Machine

The whole unit consists of three parts :



**Main Vessel:** Triple walled consisting of inner vessel which is a pressure vessel made of 304 quality, Stainless Steel with solvent storage at the bottom with removable S.S sieve in the middle to hold crude herbal drug.

**Connecting Pipes :** The upper lid is connected through S.S pipe to a condensing unit all & connecting unit made of S.S. The S.S. condenser outlet tube is connected to a valve, which is connecting to the solvent collecting unit.

**Solvent collecting :** The other two way size of the valve at the end of the condensing unit made of unit 304 quality stainless steel is further connected to the collecting vessel through S.S. pipe. The collecting vessel is closed type fitted on S.S stand with S.S. ball valve for removal of collected condensed solvent.

### Product Details:

Voltage	220V
Material	SS
Capacity	25 Ltrs to 500 Ltrs.

Mfg. & Exporter of

Pharma, Food, Cosmetic  
Ayurvedic Machinery  
Bulk Drgs Machinery  
Plant Consultant Design &  
Consulting With Turnkey Project



*"Success story of Nu Pharma"*



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