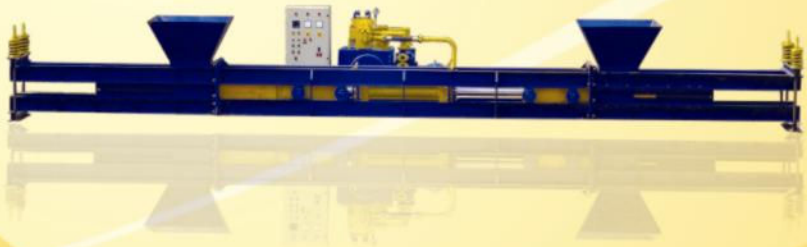


Hydrabale

An Innovative Baling Machine



QM 003



008

ISO 9001
BUREAU VERITAS
Certification



ADITYA

AUTO - TEST

AN ISO 9001 : 2000 COMPANY



Introduction

Aditya is designer, manufacturer of Innovative Hydraulic Systems, Automotive testing equipments, equipments for engineering education since last 10 years.

As price of baled bagasse is very high than loose bagasse so **Aditya** introduced the ' **Hydrabale™** ', the Two Stationed Hydraulic Bagasse Baling Machine, which is our own invented & patented Machine.

Since 2000-01 **Aditya** does R&D over existing mechanical machines and gets successful in developing the single stationed & next two stationed machines which gives excellent performance. In this machine also there is a continuous R&D and we shall introduce a fully automatic ' **Hydrabale™** ' in this season.

The government patent has been received for the product & the design is protected for next 20 years upto Year 2022. Also last year company received **ISO 9001:2000** from **Bureau Veritas Certification**.



Govt. of India has granted **PATENT** for the design of our "HYDRABALE™" under **Registration No. 200510** & from now onwards our design shall be protected for next 20 years i.e. upto **Year 2022**.



AN ISO 9001:2000 COMPANY

Stores & Purchase Department



Accounts Department



Conference Hall



Workshop



Plant Layout



AN ISO 9001:2000 COMPANY

Control Panel

This consists of mainly the star delta starter for motor, & its safety elements, The control unit circuit contains the switches & relays for proximity switch functioning & signaling. The digital temp. control system for controlling the oil temperature & its safety features as per International Standards.



Hydraulic Power Pack

The heart of machine is Hydraulic Power Pack. This is an oil hydraulic unit, consisting of oil tank, pump, bracket, manifold, pilot operated direction control valves, solenoid operated direction control valves, check valves, pressure regulating valves, pressure gauge, oil level indicator, suction strainer, etc. All the components are of adequate capacity and of International Standards. We can proudly say that even our first machine installed in 2001 did not need any major component replacement.



We starve to achieve Quality:

Best quality control valves, Filters & other components.

We starve to achieve Quality:

Best quality for moving and sliding components.



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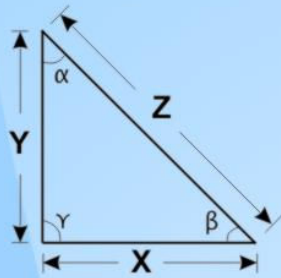
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Some useful information for customer's use

1. Chute Arrangement Details :

- A) Slope of Bagasse Feeding Chute should be 40° to 45°
- B) Size of chute 600 mm x 600 mm,
- C) Chute center & hoppers center of the baling machine must be exactly matching,



X = Distance between Bagasse Carrier & Machine ,

Y = Height of Bagasse Carrier

Z = Chute length.

$$X^2 + Y^2 = Z^2$$

$$\text{i.e. } \sqrt{X^2 + Y^2} = Z$$

$$\sin \beta = X/Z, \quad \cos \beta = Y/Z, \quad \tan \beta = X/Y$$

2. Water connection to machine details :

- A) 2" *100 lpm flow water connection is required for heat exchanger of the machine.
- B) Water must be recyclable, with uninterrupted water supply.
- C) Piping is to be done by Factory & valves as required are to be provided.
- D) Water quantity details pipe line 2" BSP, (i.e. 50NB, area = 19.63 cm^2 , volume for 100 meters is say 20 liters).

3. Commissioning & installation of the machine :

- A) Net weight of the machine is approx. 5 tons,
- B) In case of export the volume , weight of boxes details are as follows -
 - 1) $4.8\text{m} \times 2\text{m} \times 2\text{m}$ - 1 No.
 - 2) $2.9\text{m} \times 2\text{m} \times 2\text{m}$ - 2 Nos.
 - 3) $2\text{m} \times 2\text{m} \times 2\text{m}$ - 1 No.
 - 4) $1.5\text{m} \times 1\text{m} \times 1\text{m}$ - 2 Nos.
- C) Structure is 10 m long & 1m wide.
- D) Hydraulic Power Pack is $1.5 \text{ m} \times 1.7 \text{ m}$.
- E) Commissioning & installation includes unloading the structures from the truck and to arrange machine on civil foundation, connecting the chutes, connecting the power pack, hopper arrangement, arrange & align cylinder assembly.
- F) As machine is having around 28 strokes per minute alignment of the structure is the most important criteria of the commissioning hence, it is to be executed by AAT people, or under supervision of AAT.

4. After sales service & 1 warranty assistance :

- A) Bagasse baling includes factory's bagasse saving, performance of baling labor & performance of machine.
- B) To avoid any dispute between buyer & supplier we insist to provide one person from AAT who will keep records of overall baling performance and get approvals of the same,
- C) Simple accommodation for such person is to be provided by factory.

5. Poor performance modes :

- A) Insufficient quantity of bagasse.
- B) Skill of baling labor.
- C) Poor water quality & quantity to heat exchanger.
- D) Accidental damage to the machine.

FEW OF OUR MAJOR CLIENTS

1. Neopan Debal Co, Tehran, IRAN	Exported - 6
2. Muhoroni Sugar Co; Ltd. Kenya	2 Machines
3. Kokira Sugar Works; Jinja, Uganda	2 Machines
4. Shree Pandurang SSK Ltd., SHREEPU	2 Machines
5. Rajarambapu Patil SSK Ltd., Wategaon	2 Machines
6. ThyssenKrupp Industries For	
1) Lokmangal Agro Industries	2 Machines
2) Parle Chini Mill Boharaich	1 Machines
7. The Ugar Sugar Works Ltd., UGAR KHURD (KARNATAKA)	1 Machine
8. Navbharat Ferroalloy Deccosugars, Somalkot	1 Machine
9. Shree Gurudatt Sugars Ltd., Takliwadi, Dist KOLHAPUR	2 Machines
10. Sahyadri SSK Ltd., KARAD	2 Machines
11. Kranti S.S.K. Kundal	2 Machines
12. Hutatma Kisan Ahir S.S.K. Walve	2 Machines
13. The Simbhaoli Sugar Mills Ltd., P.O. SIMBHAOLI - GHAZIABAD	1 Machine
14. Krishna S.S.K. Ltd; Rethere Budruk	1 Machine
15. Shri Tatyasaheb Kore Warana S.S.K. WARANANAGAR	1 Machine
16. Chilwaria Sugars, CHILWARIA, BAHRAICH (U.P.)	1 Machine
17. Manjara S.S.K. Ltd;	2 Machines
18. Kareli Sugar Mill (P) Ltd; Kareli	1 Machine
19. Shri Khedut Sahakari Khand Udyog Mandli Ltd; Baben, Bardoli	1 Machine
20. Sangamner Bhag S.S.K. Ltd; Amrutnagar	1 Machine
21. Malegaon S.S.K. Ltd; Malegaon	1 Machine
22. Shri Khedut Sahakari Khand Udyog Mandli Ltd; Pandvi	1 Machine
23. Vitthalrao Shinde S.S.K. Ltd; Gangamainagar, Madha	2 Machines
24. Shri Narmada Khand Udyog Mandli Ltd; Timba	2 Machines
25. Dnyaneshwar S.S.K. Ltd; Newasa	1 Machine
26. Majalgaon S.S.K. Ltd; Sundarnagar, Majalgaon	2 Machines



Shri Techniques

Works : L-42, M.I.D.C., Kupwad Block, Kupwad, SANGLI - 416 436 (Maharashtra - India)

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