MACH III
Clutches • Brakes • Torque Limiters

Accumulating Conveyor Application Information

Submit Via Email: engineering@machiii.com, Fax: 859-655-8362
or Click Here to Submit Online

Please provide as much information as known and, if possible, submit a sketch of the drive system.
For Engineering Assistance: US Toll Free 866-291-0849, Outside USA +1 859-291-0849

Name: _____ Date: _____

Title: _____ Phone: _____

Company: _____ Email: _____

1. Unit is needed For: ☐ New Machinery ☐ Retrofit - to replace (Mfg., Model): _____

   If Retrofit, why is current model being replaced? _____

2. Environmental Conditions - Check ALL that apply:

☐ Indoor	☐ Indirect Wash-down	☐ Clean Room	☐ Marine
☐ Outdoor – Totally Exposed	☐ Oil Contamination	☐ Medical Mfg.	☐ Sub Sea
☐ Outdoor – Enclosed	☐ Particulate Contamination	☐ Pharmaceutical Mfg.	☐ Food Handling/Grade
☐ Direct Wash-down	☐ Condensation	☐ Explosive Substances	

   ☐ Other: _____

3. Temperature Range of the destination environment: Minimum _____ (°F / °C) Maximum _____ (°F / °C)

4. Clutch Mounting:

   ☐ End of Shaft . . . . . Shaft Size _____ (in / mm) Keyway: Standard or Other: _____ (in / mm)

   ☐ Thru Shaft . . . . . Shaft Size _____ (in / mm) Keyway: Standard or Other: _____ (in / mm)

   ☐ NEMA or IEC Frame . . . . Size/Type _____

5. Orientation of the shaft on which the clutch will be mounted: ☐ Horizontal ☐ Vertical

6. Which will clutch drive when engaged (output)? ☐ Sprocket(s) ☐ Shaft

7. Is a low backlash drive required? _____ If yes, state the maximum tolerance _____ Degrees

8. Sprocket Requirements: (circle one) Single / Double - Chain Size _____ # of Teeth _____

9. Motor Specs: HP _____ RPM _____ If not electric, please specify type here: _____

10. RPM at Clutch: _____ RPM

11. Cycle Rate: _____ X Per Minute

12. Weight Per Zone: _____ (lb / kg)

13. Line Speed (Velocity): _____ (feet per minute / meters per second)

14. Roller Diameter: _____ (in / mm)

15. Ratio Between Roller and Clutch: _____ (If applicable)

16. Acceleration Time: _____ seconds 17. Deceleration Time: _____ seconds

18. Conveyor Coefficient Of Friction: _____ (If unknown we will assume 10%)

19. Operating Air Pressure Restrictions (if any): Minimum _____ PSI Maximum _____ PSI

20. Space Restrictions: Maximum Length _____ (in / mm) Maximum OD _____ (in / mm)