

INSPECTIONS - RECOMMENDATIONS

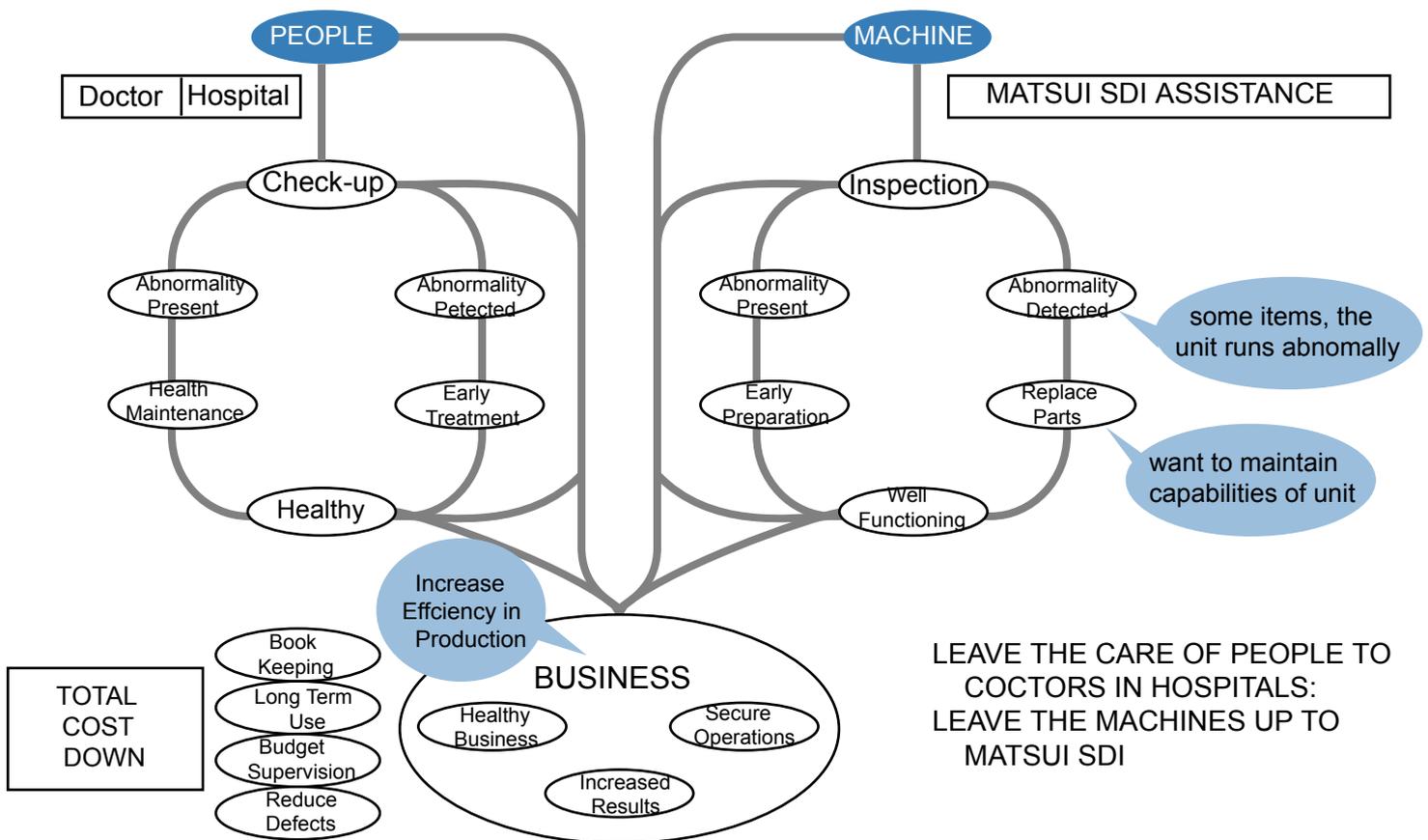
(for all types of motors)

ABOUT THE ITEMS PURCHASED:

We recommend periodic inspections in order for customers to be able to use the items under stable conditions

STRIVING FOR GOOD BUSINESS AND PROPERITY

Labor and Machines together.....
The periodic "check-ups" both need are.....



Please use for maintenance and preservation after obtaining ISO 9000 license

FOUR "SAFETIES" FROM PERIODIC INSPECTIONS

Maintenance of Capabilities

- * Through periodic maintenance, unit will keep characteristics and capabilities.

Increase in production rate

- * Unit will constantly run in top conditions and improve productivity.
- * Should unexpected issues take place, we will set up the best service that will respond promptly to one phone call.

Increased safety

- * Service person will check the condition of the unit and will either repair, adjust or replace parts immediately.

Economic

- * Reduction in per call service fees.
- * More efficient in maintenance.

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(for all types of motors)

INSPECT UNITS BEFOREHAND

(Recommending Prevention and Periodic Inspection)

Increase production capabilities by early detection of worn parts and signs of regression during daily usage



By observation and periodic checks by observation and use of measuring devices, check noise, temperature, vibrations and bearing noise.

- * Periodic measurements using measuring units
- * Check functions, breakage and damage

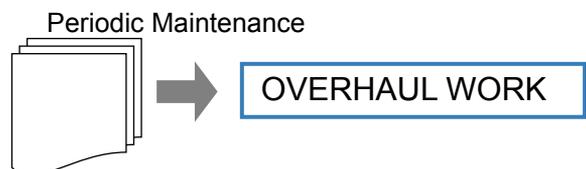
POINT INSPECTION

M/C TYPE	MODEL	INSPECTION	OVERHAUL
JET LOADER	JL-V, VC, VBF Series JL-2V, VC Series	*Check function and conveyance *Check hose damage *Loose bolts *Check air leaks *Check noise *Inspect Collecting Hoppers *Measure every electrical item	*Repair function of collector *Disassemble blower and replace bearing *Cleaning, coat part of unit *Replace filter
HOPPER DRYER	HD, HD-2 Series MGD (plas-aid series)	*Check function and conveyance *Check hose damage *Loose bolts *Check air leaks *Check noise *Inspect Collecting Hoppers *Measure every electrical item	*Disassemble heater and heater box *Disassemble blower *Clean inside of hopper *Replace packing parts
DEHUMIDIFYING DRYER	MJ, DMZ, DMZ2 Series MJ3 (plas-aid series)	*Check function and conveyance *Check hose damage *Loose bolts *Check air leaks *Check noise *Inspect Collecting Hoppers *Measure every electrical item *Measure dew point and air flow	*Disassemble honeycomb rotor *Disassemble heater and heater box *Disassemble blower *Clean inside of hopper *Replace packing parts *Check changeover valve
MOLD TEMPERATURE CONTROLLER	MC3, MCN, MCJ, MCQ Series GMC (plas-aid series)	*Check function and conveyance *Check damage on fluid hose *Check noise, looseness at each area *Measure actual temperature *Measure every electrical item	*Disassemble tanks, pumps and maintain *Clean/replace heater *Disassemble solenoid valve and clean *Replace packing parts

* On other units, there are special cautionary points involved. Please review action items separately.

[PERIODIC OVERHAUL- RECOMMENDATIONS]

Use the point inspection list to periodically inspect the units inside based on needs, check worn areas and overhaul by checking life span. Also replace defective parts and renew unit.



- * Disassemble blower motor, pump and replace worn internal parts, bearing and seals.
- * Clean the tanks, hopper areas and scales.

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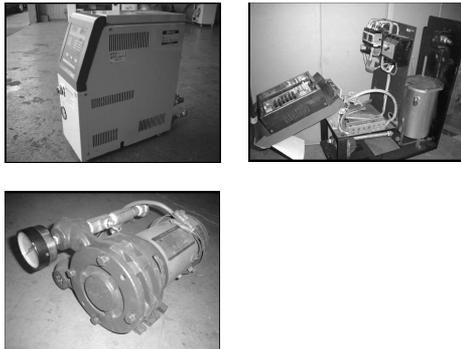
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OVERHAULS - EXAMPLES

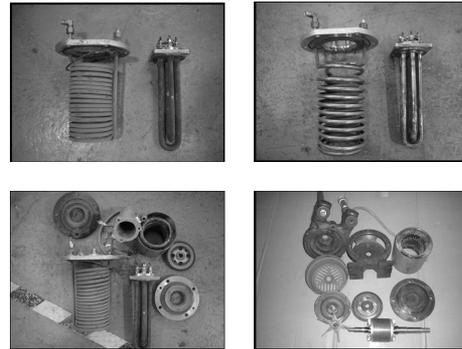
MOLD TEMPERATURE CONTROLLER

BEFORE	AFTER
<p>[ISSUES]</p> <ul style="list-style-type: none"> * Difficulty in increasing temperatures * Capabilities declining, slower temperature increases * More water leaks * Declining capabilities 	<p>[RESULTS]</p> <ul style="list-style-type: none"> * clean & replace electrical parts and solenoid valves * Clean heater to speed up temperature increase * Clean out scales in pipes to restore flow * Recovery of capabilities by breaking down and cleaning pumps

[BEFORE WORK]



[DURING OVERHAUL]



RESULTS

- * Flow rate recovery, unit has capabilities back (i.e. pressure back to initial settings)
- * Faster temperature rising time, shorter steps for changes
- * Reduced solenoid valve troubles

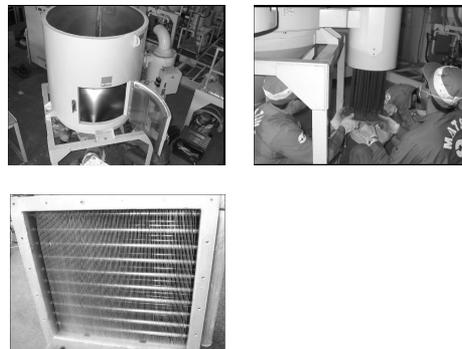
DEHUMIDIFYING DRYER

BEFORE	AFTER
<p>[ISSUES]</p> <ul style="list-style-type: none"> * Decline in drying rate a concern * Temperature control unstable * Poor convey conditions * Defective molds developing from drying defects 	<p>[RESULTS]</p> <ul style="list-style-type: none"> * Check functions by measuring dew point and fluid. Retained capabilities through maintenance work * Recovered regenerate and drying line * After disassembly work of areas such as convey troubles * After inspecting collecting hopper, capabilities recovered * Product quality improved

[BEFORE WORK]



[DURING OVERHAUL]



RESULTS

- * Drying capabilities improved, production rate increased. (i.e. air flow and dew point conditions)
- * Reduced troubles of moving drying materials. (i.e. reduced small stops)
- * Reduced contamination

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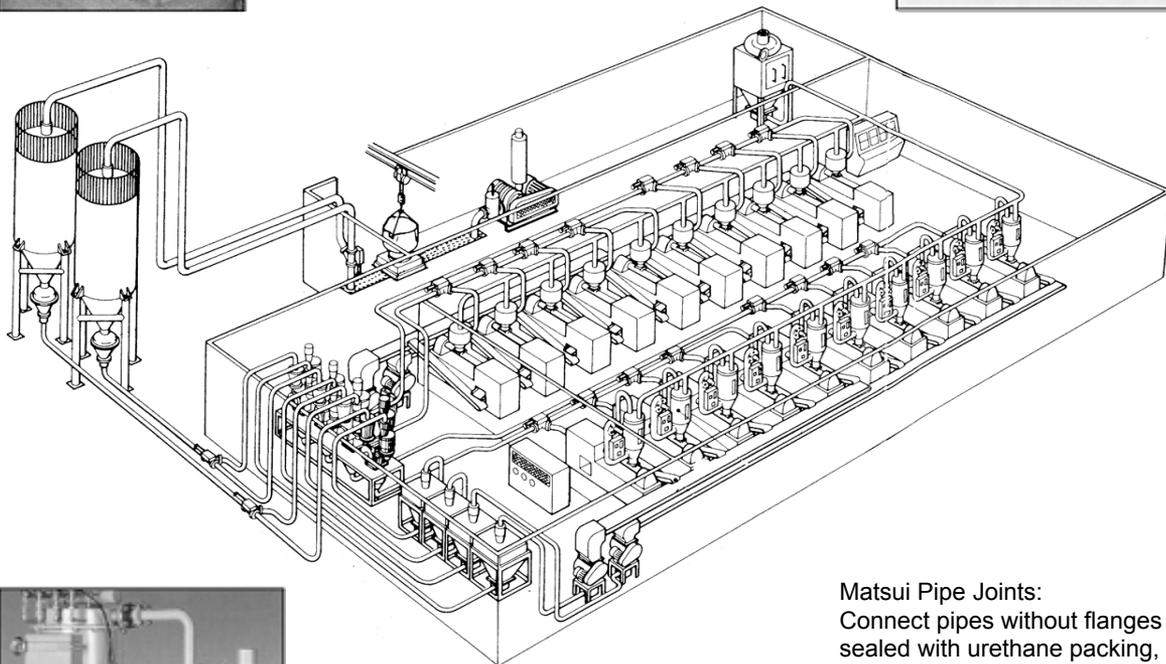
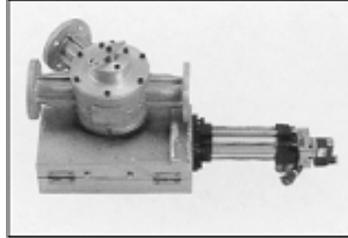
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SYSTEM UNITS

BEFORE	AFTER
<p>[ISSUES]</p> <ul style="list-style-type: none"> * Decline in conveying strength, material outage a concern * Frequent alarms * Small stops from feeding increasing * Air leaks a concern * Unit as a whole is aging 	<p>[RESULTS]</p> <ul style="list-style-type: none"> * Capabilities to recover after replacing or cleaning the filter * Air leaks from pipes and collecting hopper eliminated * Reduced stops after disassembly work on change-over valves and set-up parts * Maintenance of setup units by point repairs on running conditions of overall system * Production Rate increases and overload from on-site work is initialed

RESULTS

- * System troubles reduced
- * Was able to do maintenance work on areas usually difficult through concentrated maintenance
- * Able to maintain safety functions of the units, reduced small stops and increased productivity



Matsui Pipe Joints:
Connect pipes without flanges
sealed with urethane packing,
preventing air leaks
Clamp vesion also available



Clamp types