
# Can our Sensors **help you?**

Your quick guide for what assets can and cannot be monitored with FitMachine and FitPower sensors.

MOVUS

# CONTENTS



IS YOUR ASSET A GOOD FIT?

# A Quick Guide to Monitoring with FitMachine and FitPower

MOVUS is an Australian-based company with a global focus, dedicated to helping industries improve asset performance and lifespan through data-driven insights.

Our mission is to enhance industrial sustainability by reducing waste and enabling more efficient operations.

As the creators of FitMachine and FitPower, we provide cutting-edge machine health monitoring solutions that integrate advanced sensors, communications, and artificial intelligence into an affordable, always-on service. Our solutions empower businesses with 24/7 oversight of their assets, helping to reduce downtime and optimise maintenance strategies.

However, not all assets are suited for monitoring with our sensors. This guide will help you determine whether FitMachine or FitPower is the right choice for your machinery and highlight key factors to ensure successful implementation.

GENERAL ADVICE

# Getting the Most Out of FitMachine & FitPower

## Key Considerations for Effective Monitoring

- **Clarify the Monitoring Objective:** Start by understanding what the customer wants to achieve with monitoring. This ensures we recommend the most effective solution.
- **Submersion Considerations:** Avoid applications where the FitMachine sensor may be submerged. If power cables are submerged but the machine itself remains dry, FitPower may be a better alternative.
- **Multiple Sensors May Be Required:** Some machines require more than one FitMachine sensor for effective monitoring. If unsure, consult with the MOVUS team.
- **Adjust Sampling for Short-Run Assets:** If monitoring assets with short operational cycles, FitMachine's sampling rate may need to be adjusted to capture relevant vibration data accurately.
- **Magnetic Noise Interference:** Be mindful of potential interference from nearby power cables or magnets, which can affect FitPower readings.
- **Variable Loading Challenges:** Machines with fluctuating loads unrelated to process changes can be difficult to monitor for general machine health. Consider whether FitMachine or FitPower is the best fit for such applications.

By considering these factors, you can maximise the value of MOVUS sensors and ensure accurate, reliable monitoring of your assets.

# AC Motors

## AC Motor - Direct-Coupled

Direct-coupled means the coupled equipment runs the same speed as the motor.

**CAN** be monitored by FitMachine.

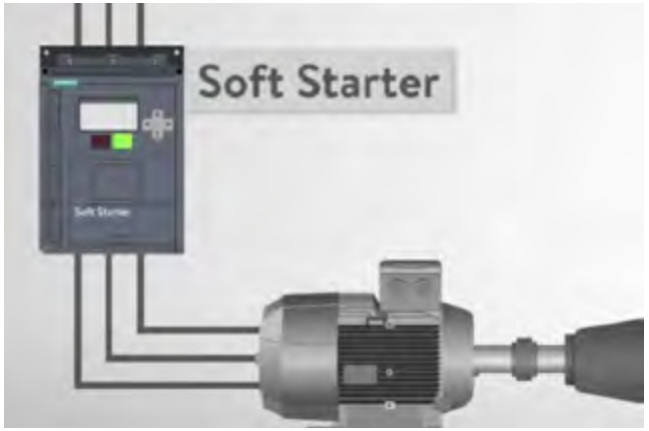
**CAN** be monitored by FitPower.

## AC Motor - Variable Speed Drives

Variable speed drives or variable frequency drives, often referred to as VSDs, are a type of motor controller that drives an electric motor at varying speeds.

**CAN** be monitored by FitMachine, but we will need to adjust sampling.

**CAN** be monitored by FitPower.



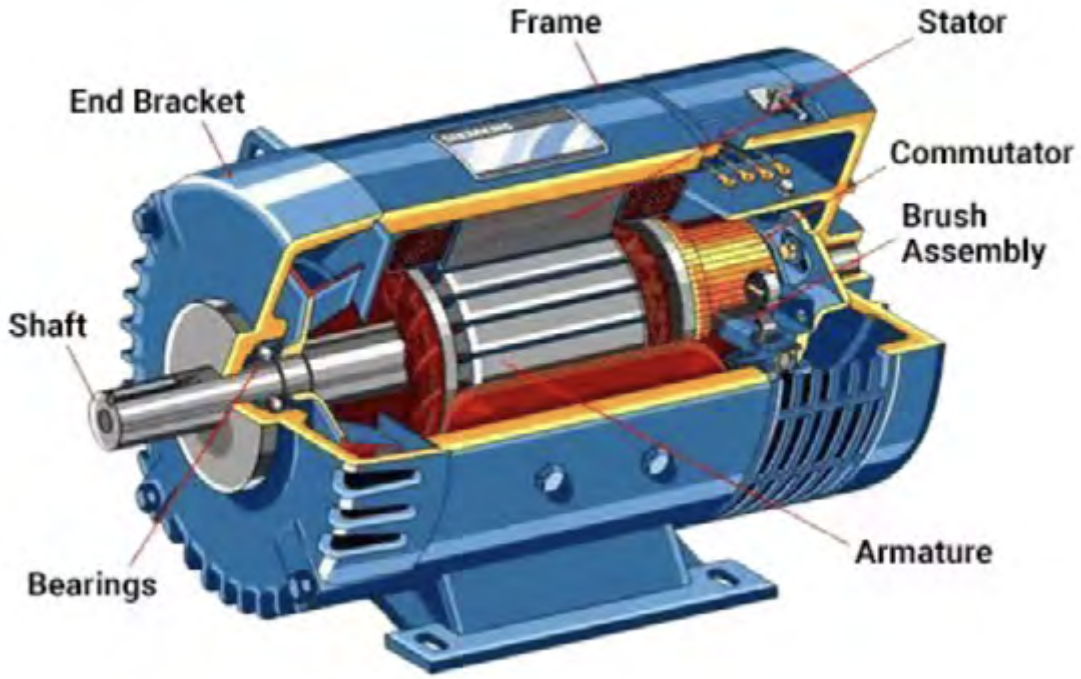

## AC Motor - Soft Starters

Soft starters reduce the inrush current and torque for motors that don't require speed control when operating.

**CAN** be monitored by FitMachine.

**CAN** be monitored by FitPower (probably one of the few applications where you will not get as high a current spike on machine startup).

# Generators



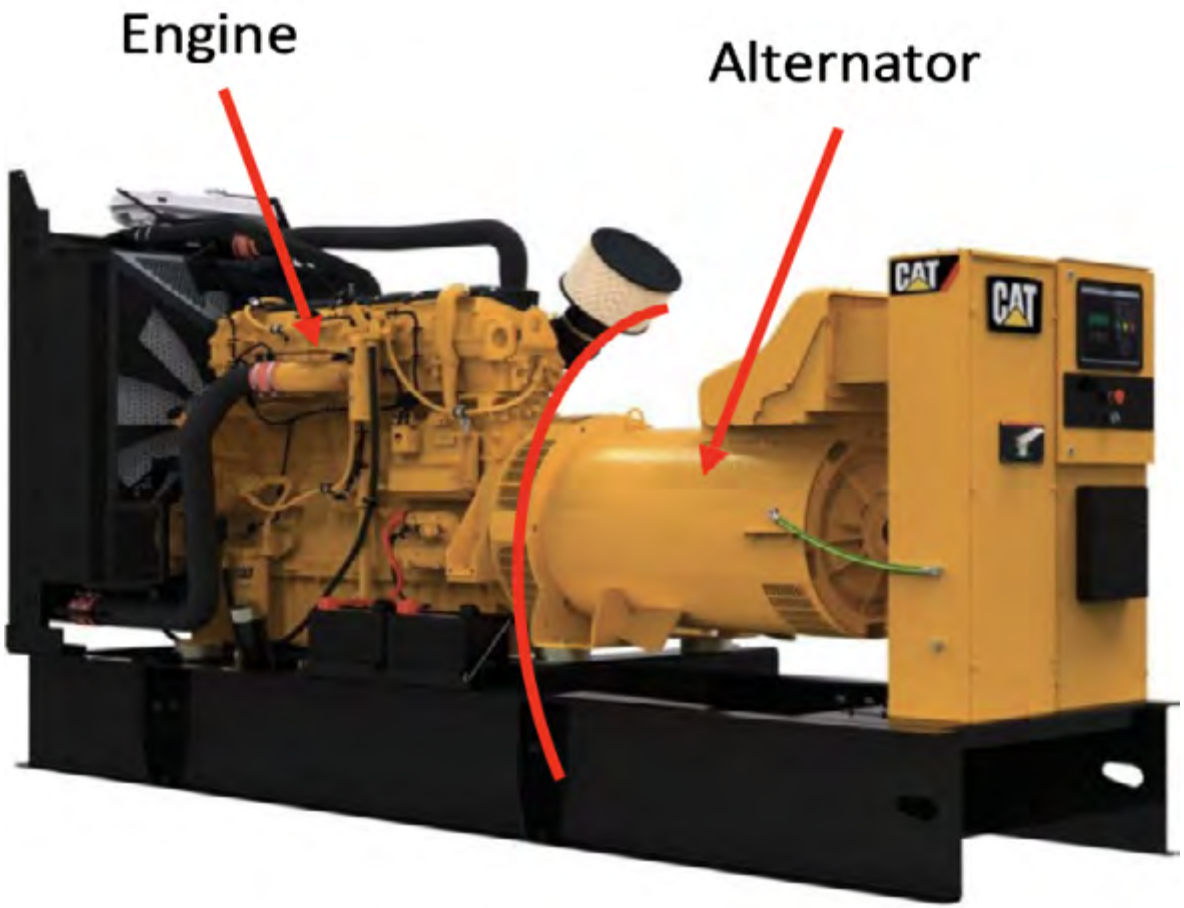

## Generators

A generator is an electromechanical device that converts mechanical energy to electrical energy for use in an external circuit. Typically a very similar device to an AC motor and can be monitored in a similar manner.

**CAN** be monitored by FitMachine.

**CAN** be monitored by FitPower.

# Alternators




## Alternators

An alternator is an electrical generator that converts mechanical energy to electrical energy in the form of alternating current.

**CAN** be monitored by FitMachine.

**CAN** be monitored by FitPower.

# DC Motors

## DC Motors

DC motors are usually used in constant torque, low-speed applications like conveyors and mixers.

**CAN** be monitored by FitMachine but may be difficult to get it close enough to the rotational component.

**CAN** be monitored by FitPower.

# Pumps/Turbo

## Pump/Turbo - Centrifugal

A centrifugal pump is a mechanical device designed to move a fluid by means of the transfer of rotational energy from one or more driven rotors, called impellers.

**CAN** be monitored by FitMachine.

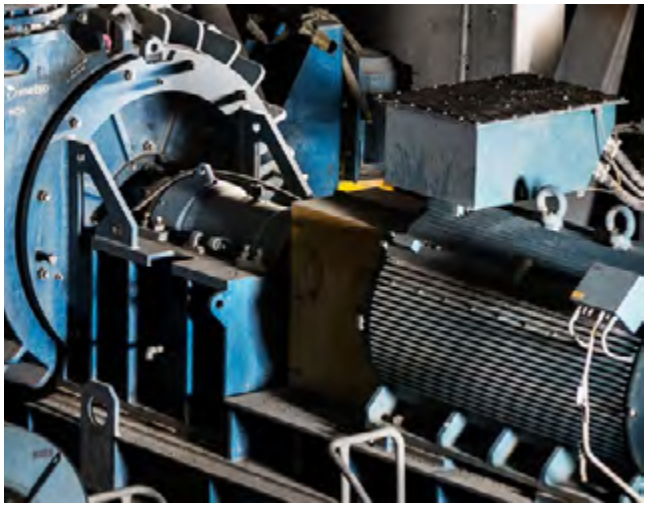
**CAN** be monitored by FitPower.

## Pump/Turbo - Vacuum

A vacuum pump uses a pump to draw gas and produce a vacuum for applications in vacuum forming or water utilities.

**CAN** be monitored by FitMachine, may need to adjust sampling for some applications.

**CAN** be monitored by FitPower.



## Pump/Turbo - Slurry

A slurry is a liquid containing solid particles and slurry pumps are used to move it much like a centrifugal pump moves liquid.

**CAN** be monitored by FitMachine, sampling will need to be adjusted typically.

**CAN** be monitored by FitPower.

# Pumps/Turbo

## Pump/Turbo - Split Case

Split case pumps are pumps in which the pump housing is divided into two parts for easy access to internal components if required.

**CAN** be monitored by FitMachine.

**CAN** be monitored by FitPower.

## Pump/Turbo - Sump

A sump pump is used to automatically pump excess water out of a sump when a threshold is reached.

**CANNOT** be monitored by FitMachine as they are typically submerged

**CAN** be monitored by FitPower.

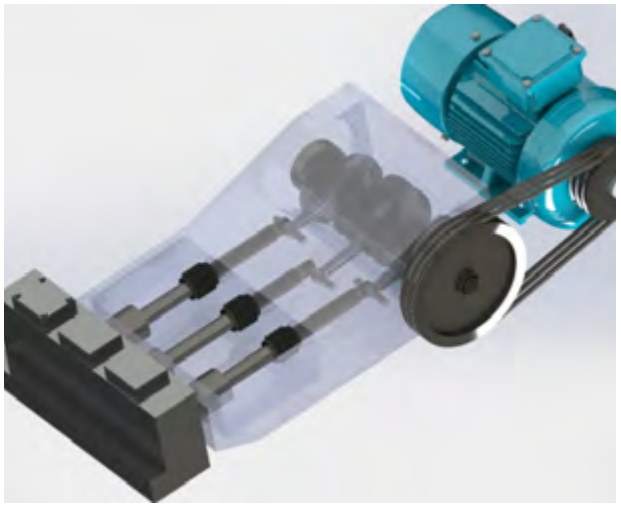
## Pump/Turbo - Axial

Axial pumps contain an axial impeller or propeller to push fluids through.

**CAN** be monitored by FitMachine for non-submersible cases

**CAN** be monitored by FitPower.

# Pumps/PD



## Pump/PD - Reciprocating

A reciprocating pump utilises a crankshaft-connecting rod mechanism (think piston-cylinder).

**CAN** be monitored by FitMachine.

**CAN** be monitored by FitPower.

## Pump/PD - Gear Pump

Moves fluids by repeatedly enclosing a fixed volume in interlocking gears transferring it mechanically.

**CAN** be monitored by FitMachine.

**CAN** be monitored by FitPower.

## Pump/PD - Lobe

Are similar to external gear pumps in that they have two or more lobes rotating around parallel shafts to move liquids.

**CAN** be monitored by FitMachine.

**CAN** be monitored by FitPower.

# Hydraulic Power Pack

## Hydraulic Power Pack

Is a stand-alone assembly with a drive motor connected to a hydraulic pump through a shaft and also has and hydraulic fluid tank.

**CAN** be monitored by FitMachine.

**CAN** be monitored by FitPower.

# Fans

## Fans - Centrifugal

Centrifugal fans consist of an impeller in a casing having a spirally shaped contour. The air enters the impeller in an axial direction and is discharged at the impeller outer periphery.

**CAN** be monitored by FitMachine.

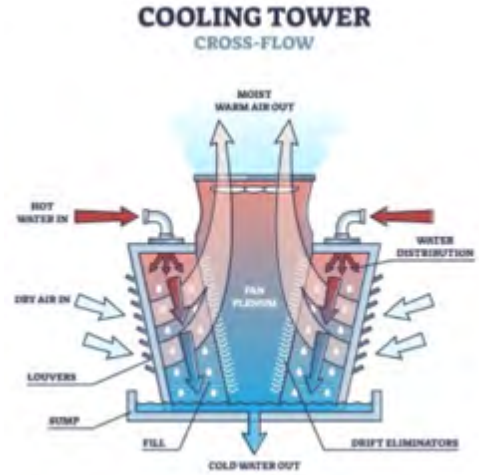
**CAN** be monitored by FitPower.

## Fans - Axial

Blades rotating around an axis draw air in parallel to that axis and force air out in the same direction.

**CAN** be monitored by FitMachine, but may need to consider a stingray or unicorn antennae for internal motors.

**CAN** be monitored by FitPower.




## Fans - Cooling Tower

A cooling tower is a specialized heat exchanger in which air and water are brought into direct contact with each other in order to reduce the water's temperature.

**CAN** be monitored by FitMachine, but humidity may be an issue.

**CANNOT** be monitored by FitPower but some of its individual components can.

# Blowers

## Blower - Centrifugal

A centrifugal blower makes use of rotating impellers that are attached to the fan wheel, which is set within the exterior housing.

**CAN** be monitored by FitMachine.

**CAN** be monitored by FitPower.

## Blower - Lobe

Lobe blowers consist of two rotors spinning in opposite directions. The blower sucks in air, and the lobes spin the air around before pushing the air out.

**CAN** be monitored by FitMachine, consider using antenna mods to get around comms issues.

**CAN** be monitored by FitPower.

# Compressors

## Compressor - Screw

A screw compressor uses positive displacement through rotary movement to compress air or gas.

**CAN** be monitored by FitMachine.

**CAN** be monitored by FitPower.

## Compressor - Centrifugal

Centrifugal compressors, also known as dynamic compressors, converts the energy utilising a series of stages to compress and cool the air as it continuously flows through the unit.

**CAN** be monitored by FitMachine.

**CAN** be monitored by FitPower.


## Compressor - Scroll

A scroll compressor is a specially designed compressor that works in a circular motion, as opposed to up-and-down piston action.

**CAN** be monitored individually by FitMachine. Typically rack mounted so RCO may need to be edited.

**CAN** be monitored by FitPower.

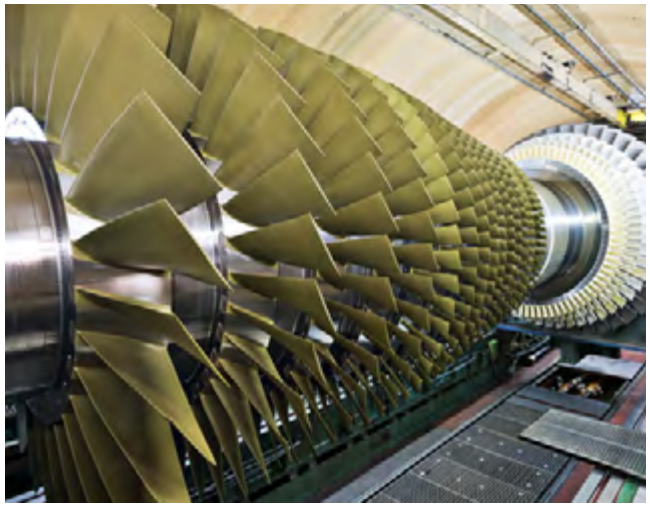
# Compressors

## Compressor - Reciprocating

A reciprocating compressor is a positive-displacement machine that uses a piston to compress a gas and deliver it at high pressure.

**CAN** be monitored individually by FitMachine. Typically rack mounted so RCO may need to be edited.

**CAN** be monitored by FitPower.



## Compressor - Axial

Axial compressor is a rotating, airfoil-based compressor in which the gas or working fluid principally flows parallel to the axis of rotation.

**CAN** be monitored by FitMachine, but may benefit more from displacement monitoring instead of acceleration and velocity.

**CAN** be monitored by FitPower.

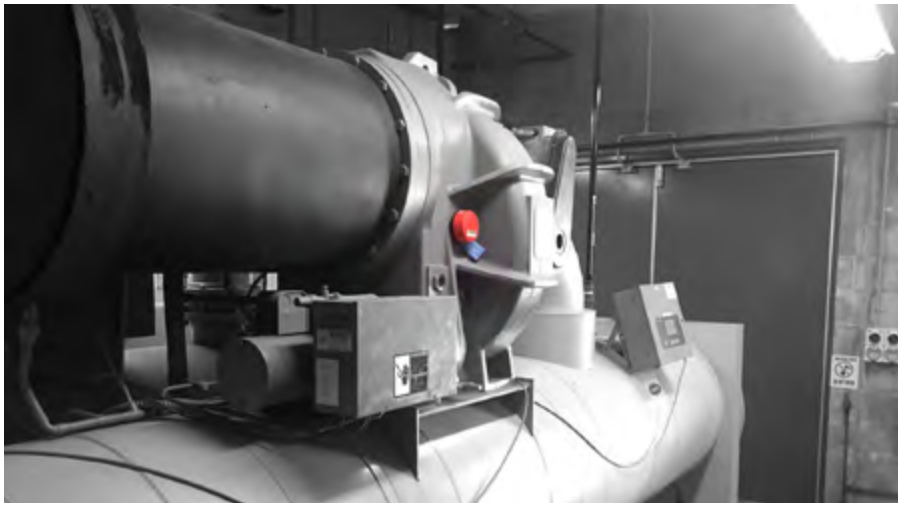
## Compressor - Magnet

These compressors are characterized by their use of oil-free, magnetic bearings.

**CANNOT** be monitored by FitMachine

**CANNOT** be monitored by FitPower
Magnet bearings traditionally have inbuilt motion detection technology so monitoring this asset is not required.

# Chillers



## Chillers - Compressors

Compressors generate the pressure gradient necessary to push refrigerant around the chiller unit to achieve process cooling. Various condensers are available, with the most popular types **including centrifugal, screw, and reciprocating compressors.**

**CAN** be monitored by FitMachine but RCOs may need to be set to zero.

**CAN** be monitored by FitPower.

## Chillers - Heat Exchanger

A heat exchanger chiller system utilizes a device that transfers heat through various fluids.

**CANNOT** be monitored by FitMachine as there are no rotating elements.

**CAN** be monitored by FitPower.

# Gearboxes

## Gearbox - Parallel Shaft

A parallel gear drive is one in which the high and low speed shaft are on the same horizontal plane and parallel to each other.

**CAN** be monitored by FitMachine but output may be too slow in some cases.

**CANNOT** be monitored by FitPower but users may find value in monitoring electrical equipment driving it.

## Gearbox - 90° Turn

This gearbox is one in which the input shaft and the output shaft meet at a 90° angle.

**CAN** be monitored by FitMachine but output may be too slow in some cases.

**CANNOT** be monitored by FitPower but users may find value in monitoring electrical equipment driving it.

# Gearboxes


## Gearbox - Multi-stage

Multi-stage means that several pairs of gears are connected in series within a gearbox. This way you get a higher gear ratio.

**CAN** be monitored by FitMachine but output may be too slow in some cases.

**CANNOT** be monitored by FitPower but users may find value in monitoring electrical equipment driving it.

## Gearbox - Planetary

A planetary gearbox is a gearbox with the input shaft and the output shaft aligned. A planetary gearbox is used to transfer the largest torque in the most compact form.

**CAN** be monitored by FitMachine but output may be too slow in some cases.

**CANNOT** be monitored by FitPower but users may find value in monitoring electrical equipment driving it.

# External Gears


## External Gears

A gear whose teeth are made on the outside of a cylinder or cone is called an external gear.

**CANNOT** be monitored by FitMachine as rotational speed will be extremely slow. Will work for smaller external gears though.

**CANNOT** be monitored by FitPower but users may find value in monitoring electrical equipment driving it.

# Fan Belts

## Fan Belts

The fan belt is used to transfer rotational power from one place to another.

**CAN** be monitored by FitMachine (the shafts themselves, not the belt).

**CANNOT** be monitored by FitPower but users may find value in monitoring electrical equipment driving it.

# Bearings/Rolling Elements

## Bearings/Rolling Element - Ball

A ball bearing is a type of rolling-element bearing that serves three main functions while it facilitates motion: **it carries loads, reduces friction and positions moving machine parts.**

**CAN** be monitored by FitMachine.

**CANNOT** be monitored by FitPower but users may find value in monitoring electrical equipment driving it.

## Bearings/Rolling Element - Roller

Roller bearings transmit loads using cylinder rolling elements, rather than balls, to maintain the separation between moving parts of the bearing.

**CAN** be monitored by FitMachine.

**CANNOT** be monitored by FitPower but users may find value in monitoring electrical equipment driving it.

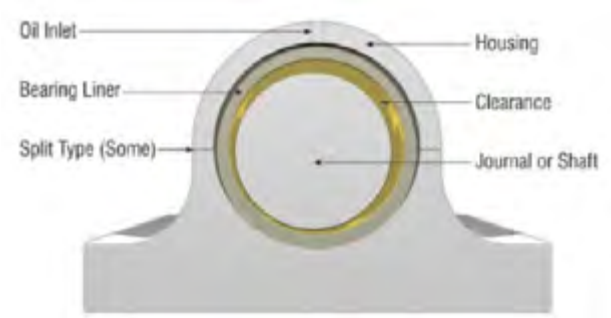
# Bearings

## Bearings - Thrust

Thrust bearings support the axial thrust of both horizontal and vertical shafts. The functions are to prevent the shaft from drifting in the axial direction and to transfer thrust loads applied on the shaft.

**CAN** be monitored by FitMachine but orientation will need to be considered to pick up vibrations.

**CANNOT** be monitored by FitPower but users may find value in monitoring electrical equipment driving it.

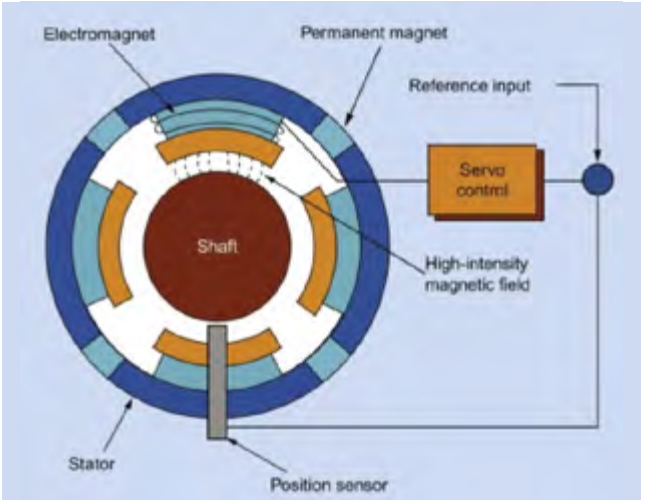



## Bearings - Plain/Sleeve/Journal

Sleeve bearings consist of a metal, plastic or fiber-reinforced composite sleeves that reduce vibrations and noise by absorbing friction between two moving parts using a sliding motion.

**CAN** be monitored by FitMachine for early fault detection however vibrations will typically be low.

**CANNOT** be monitored by FitPower but users may find value in monitoring electrical equipment driving it.




## Bearings - Magnetic

A magnetic bearing is an oil-free bearing system that uses electromagnetic forces to maintain relative position of a rotating assembly to a stationary component.

**CANNOT** be monitored by FitMachine as shaft is levitating and vibration levels are low.

**CAN** be monitored by FitPower.

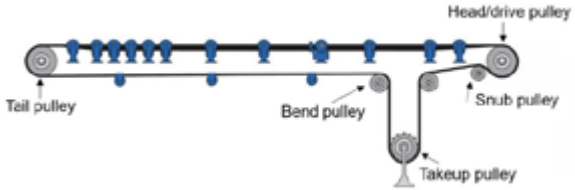
# Conveyors

## Conveyors - Motor/Gearbox

See pages on motors and gearboxes.

**CAN** be monitored by FitMachine.

**CAN** be monitored by FitPower (for the case of gearboxes, the electrical equipment driving it can be monitored).




## Conveyors - Pulleys

Conveyor pulleys are mechanical devices used to change the direction of a belt in a conveyor belt system along with tensioning and driving the belt.

**CANNOT** be monitored by FitMachine.

**CANNOT** be monitored by FitPower.

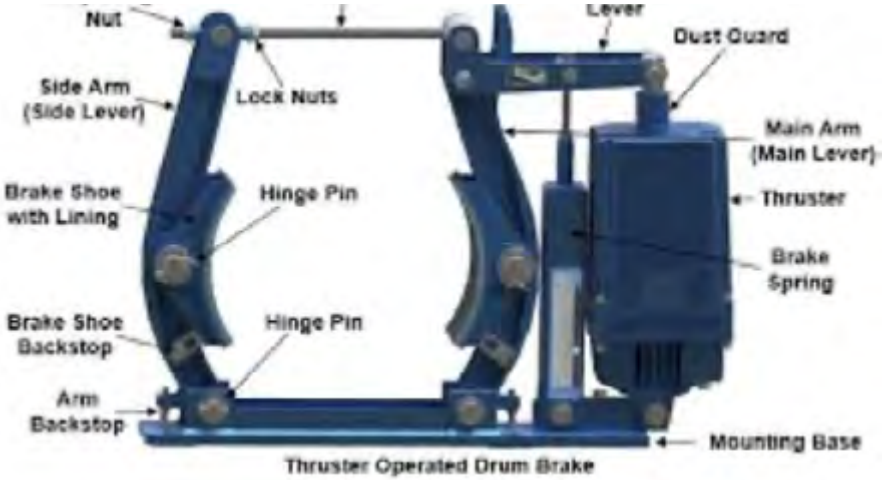
## Conveyors - Idlers and Rollers

Conveyor idlers are the components that support the belt and conveyed material preventing stretching and saging of the belt.

**CANNOT** be monitored by FitMachine.

**CANNOT** be monitored by FitPower.

# Conveyors




## Conveyors - Brake Thrusters

Brake thrusters are used to slow down the drum of a conveyor.

**CANNOT** be monitored by FitMachine optimally due to the way it is typically used.

**CAN** be monitored by FitPower.

## Conveyors - Screw

The screw conveyor is composed of a pipe with a welded steel strip that is formed into a continuous helix.

**CANNOT** be monitored by FitMachine due to slow speed.

**CAN** be monitored by FitPower.

# Apron Feeder

## Apron Feeder

Apron feeder is used to transfer material to other equipment or extract material from storage stockpiles, bins or hoppers at a controlled rate of speed.

**CANNOT** be monitored by FitMachine due to highly variable load but **CAN** monitor its motor/ gearbox instead.

**CANNOT** be monitored by FitPower due to highly variable load which will likely result in irregular current draw.

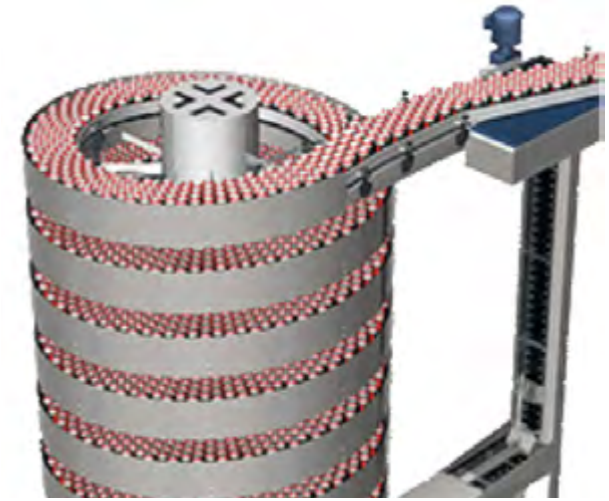
# Elevators

## Elevator - Bucket

Bucket elevators are like conveyors for vertical transport of material.

**CAN** be monitored by FitMachine.

**CAN** be monitored by FitPower.



## Elevator - Spiral

Spiral elevators are another type of elevator to transport material vertically.

**CANNOT** be monitored by FitMachine due to low speed but may benefit from monitoring respective motor/gearbox.

**CAN** be monitored by FitPower.

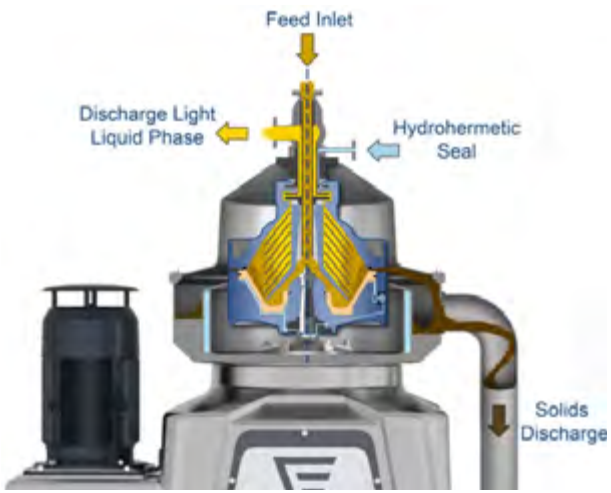
## Elevator - Passenger

You know what this is!

**CANNOT** be monitored by FitMachine due to the nature of operation of this equipment.

**CAN** be monitored by FitPower for utilisation and possibly even faults.

# Separators

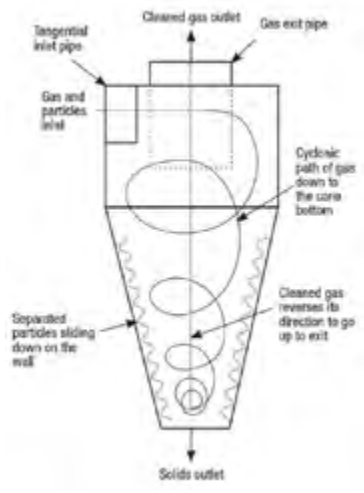



## Separator - Centrifuge

Centrifugal separators utilise centrifugal action for the separation of materials of different densities and phases.

**CAN** be monitored by FitMachine.

**CAN** be monitored by FitPower.




## Separator - Cyclone

Cyclone separators use the principle of inertia to remove particulate matter from gases.

**CANNOT** be monitored by FitMachine as vibrations are caused by flow turbulence and not rotational elements so will be very little.

**CAN** be monitored by FitPower.

## Separator - Oil

Oil separator treats wastewater by splitting oil and water into their respective components for safe discharge.

**CANNOT** be monitored by FitMachine as there are no rotating components.

**CAN** be monitored by FitPower if there are any electrical components of interest.

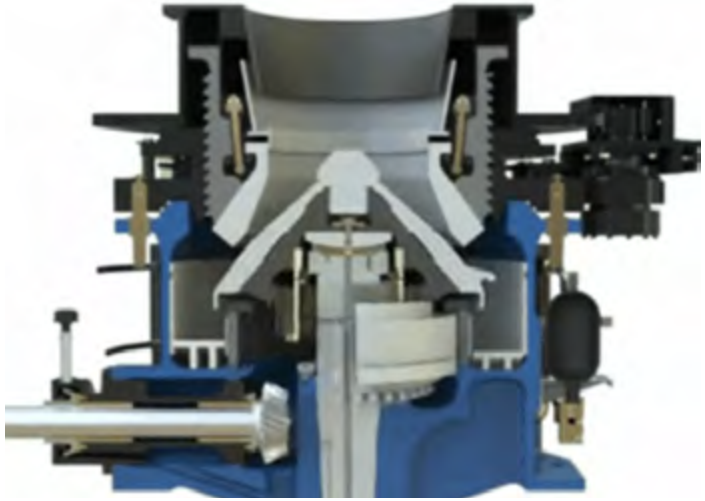
# Crushers

## Crusher - Jaw

Jaw crushers use compressive force to break down large materials into smaller, more manageable pieces.

**CANNOT** be monitored by FitMachine due to high noise from impacts to the crusher body. Monitor the respective gearbox/motor if needed .

**CAN** be monitored by FitPower.



## Crusher - Conical

Conical crushers work by squeezing the material between an eccentrically rotating mantle and a stationary concave or bowl-shaped liner.

**CANNOT** be monitored by FitMachine due to high noise and slow rotation. Monitor the respective gearbox/motor if needed .

**CAN** be monitored by FitPower.

# Screens

## Screen - Motor/Gearbox/Belt

Some screens are driven by vibration-isolated motors, connected by a belt drive.

**CAN** be monitored by FitMachine.

**CAN** be monitored by FitPower.

## Screen - Screen Body

The screens aid in the sorting process by separating particles while conveyors are attached to transport particles to the next process.

**CANNOT** be monitored by FitMachine due to high vibration potentially displacing the sensor or damaging it. Monitor the respective gearbox/motor if needed.

**CANNOT** be monitored by FitPower but users may find value in monitoring gearbox/motor.


## Screen - Exciter

Exciters are the main vibration source of the screens. They generally comprise a housing, bearing, shaft and an eccentric mass.

**CAN** be monitored by FitMachine but stud mounting is required to prevent unwanted motion and the frequency in some cases may be too low to capture.

**CAN** be monitored by FitPower.

# Screens


## Screen - Sieve

Filters material by passing it through a sieve, operationally similar to vibration screens.

**CANNOT** be monitored by FitMachine due to high vibration potentially displacing the sensor or damaging it. Monitor the respective gearbox/motor if needed.

**CANNOT** be monitored by FitPower but users may find value in monitoring gearbox/motor.

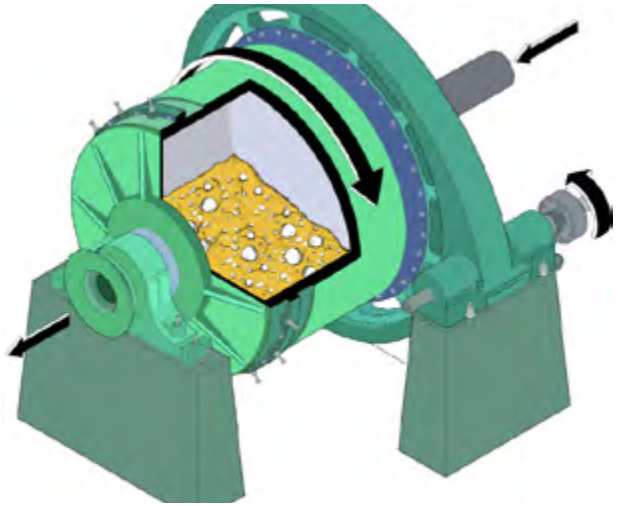
## Screen - Grizzly Feeder

Large material is vibrated along the decline towards the crusher feed while smaller particles fall between the gaps.

**CANNOT** be monitored by FitMachine due to high vibration potentially displacing the sensor or damaging it. Monitor the respective gearbox/motor if needed.

**CANNOT** be monitored by FitPower but users may find value in monitoring the coupled exciters.

# Rotating Drums



## Rotating Drums - Ball Mill

Ball mills are a large, slowly rotating drums. Inside there are steel balls of various sizes that crush product into the desired size.

**CANNOT** be monitored by FitMachine if it has low speeds.

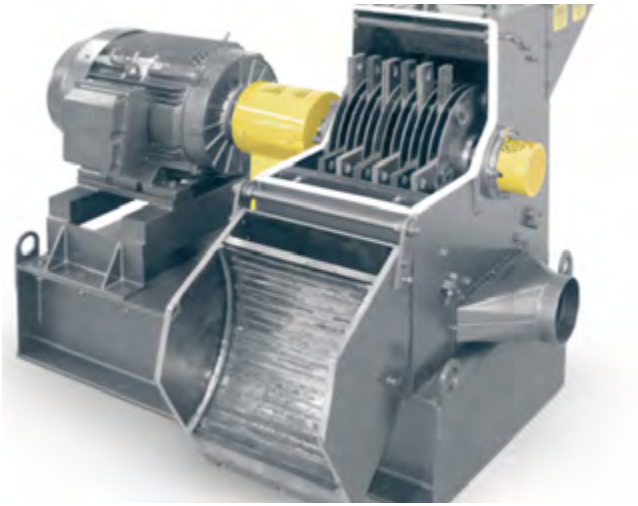
**CAN** be monitored by FitPower and a reduce in current draw over time could even correlate to process completion.

## Rotating Drums - Dryer Drum

Designed to feed hot air and wet product through the drum to dry it out.

**CANNOT** be monitored by FitMachine as speed will be very slow but could monitor respective motor/gearbox.

**CAN** be monitored by FitPower.



## Rotating Drums - Hammer Mill

A hammer mill is a mill whose purpose is to shred or crush aggregate material into smaller pieces by the repeated blows of small hammers.

**CAN** be monitored by FitMachine (Drive motor and hammer shaft bearings).

**CAN** be monitored by FitPower (Drive motor).

# Rotating Drums

## Rotating Drums - Drum Scrubber

These are large rotating drum with water feed used to clean product.

**CANNOT** be monitored by FitMachine as speed will be very slow but could monitor respective motor/gearbox.

**CAN** be monitored by FitPower.

## Rotating Drums - Rotary Breaker

Rotary drums are a large, slowly rotating drum to reduce the size of the product.

**CANNOT** be monitored by FitMachine as speed will be very slow (including bearings on either side) but could monitor respective motor/gearbox.

**CAN** be monitored by FitPower.

# Ovens

## Ovens - Gas

You know what this is!

**CANNOT** be monitored by FitMachine as there are no rotational components. However, it may help in some cases where cleaning pumps or rotisseries are fitted.

**CANNOT** be monitored by FitPower as there is nothing powered electrically.

## Ovens - Electric

You know what this is!

**CANNOT** be monitored by FitMachine as there are no rotational components.

**CAN** be monitored by FitPower.

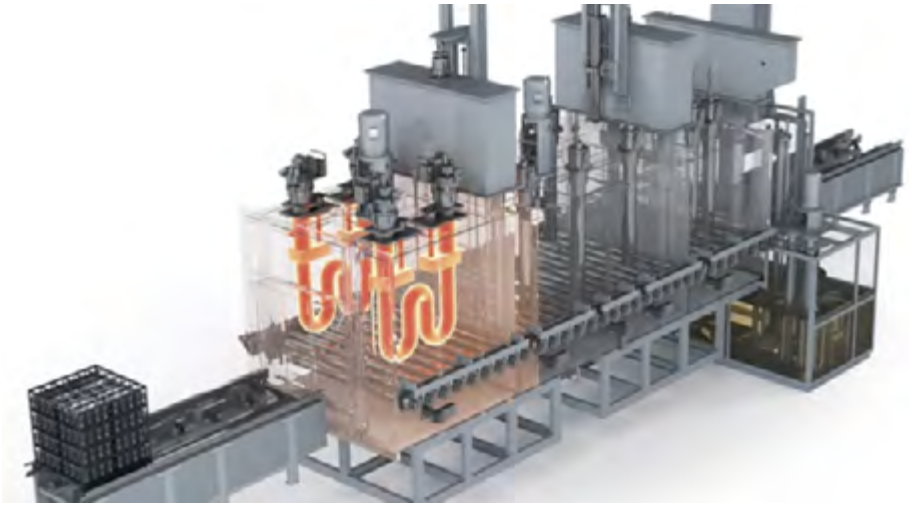
# Furnaces

## Furnace - Gas or Fire

Gas furnaces use gas to provide heat for industrial processes.

**CANNOT** be monitored by FitMachine as there are no rotational components.

**CANNOT** be monitored by FitPower as there is nothing powered electrically.



## Furnace - Electrical

Electrical furnaces are devices used to provide heat for industrial processes using electricity.

**CANNOT** be monitored by FitMachine as there are no rotational components.

**CAN** be monitored by FitPower for inductor failure.

# Boiler

## Boiler

An enclosed vessel that heats a liquid, such as water, to create steam or the vaporized form of a liquid. After that, the steam or hot water is circulated via a piping device to transport heat for a range of purposes.

**CANNOT** be monitored using FitMachine as there are no rotational components.

**CAN** be monitored using FitPower if powered electrically.

# Lathe

## Lathe

Machine for shaping wood, metal, or other material by means of a rotating drive which turns the piece being worked on against changeable cutting tools.

**CAN** be monitored by FitMachine. Especially driving motor. Bearings also possible but may be difficult to find a good mounting location. Shorter sampling will typically be required.

**CAN** be monitored by FitPower (driving motor).

# Wood/Bark Peeler

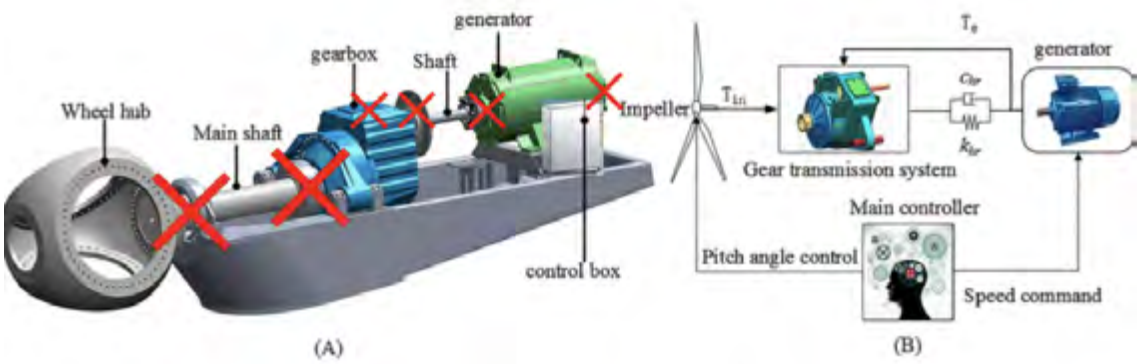
## Wood/Bark Peeler

Machine designed to efficiently peel the bark off logs or to create thin wood veneers (layers) from timber.

**CAN** be monitored by FitMachine. Especially driving motor. Bearings also possible but may be difficult to find a good mounting location.

**CAN** be monitored by FitPower (driving motor).

# Turbine



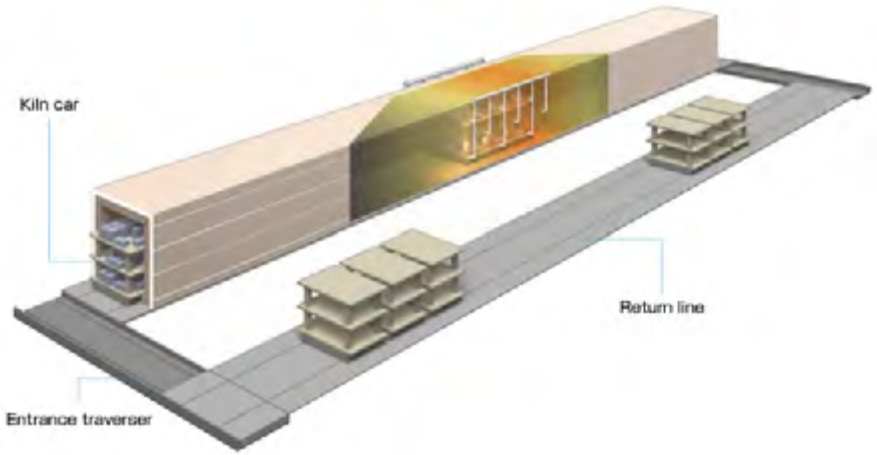

## Turbine

A turbine converts the energy of the flowing fluid (air, water, ect) into mechanical energy.

**CAN** be monitored by FitMachine. Shaft bearings as well as gearboxes and or generators can be monitored however mounting locations may be hard to reach.

**CAN** be monitored by FitPower (generator).

# Kilns

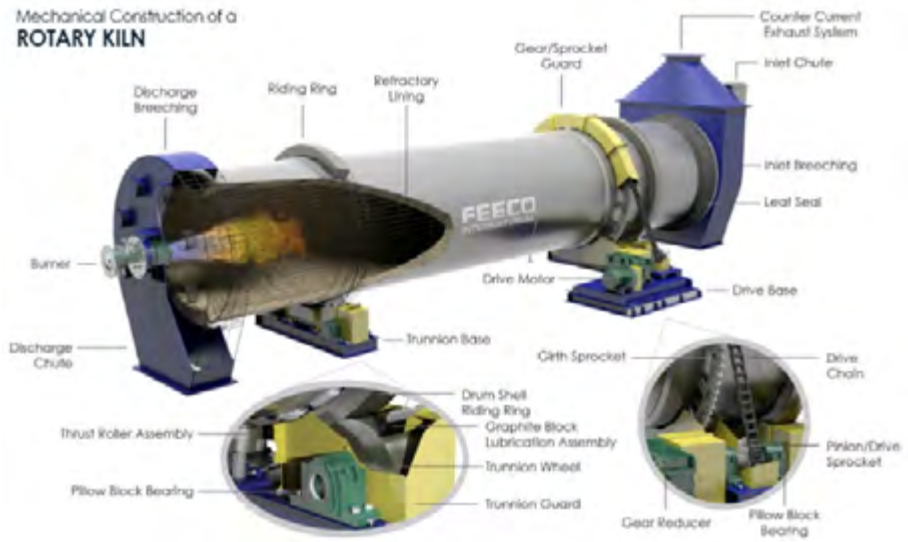



## Kiln - Tunnel

Tunnel kiln is a long, tunnel-like chamber through which the products to be fired are slowly moved.

**CANNOT** be monitored by FitMachine. Temperatures are typically too high for usage of FitMachine.

**CAN** be monitored by FitPower assuming electrical heating is utilised.




## Kiln - Rotary

A rotary kiln is an industrial heat treatment furnace that heats raw materials while stirring them in a rotating core tube.

**CAN** be monitored by FitMachine. Bearings as well as gearboxes and drive motors can be monitored however speeds are typically very low.

**CAN** be monitored by FitPower assuming electrical heating is utilised.

# Step Feeder - Log Feeder

## Step Feeder - Log Feeder

Step feeders are a type of automated part feeding system that uses a series of steps to feed parts (Log) into a machine.

**CAN** be monitored by FitMachine. Feeders usually feature continually running frive motors that can be monitored.

**CAN** be monitored by FitPower (driving motor).

# Steel Coil Cutters

## Steel Coil Cutter - Mechanical

Machine used to slice large steel sheet coils into specific dimensions using a physical cutting mechanism, such as rotary blades or shears. Typically, the new sheets are re-rolled in the same machine.

**CAN** be monitored by FitMachine. Roller bearings, drive motors, and gearboxes can all be monitored.

**CAN** be monitored by FitPower (driving motor).

## Steel Coil Cutter - Laser

Machine used to slice large steel sheet coils into specific dimensions using a high-energy laser. Typically, the new sheets are re-rolled in the same machine.

**CAN** be monitored by FitMachine. Roller bearings, drive motors, and gearboxes can all be monitored.

**CAN** be monitored by FitPower (driving motor and laser components).

# Spiral Bread Mixer


## Spiral Bread Mixer

A machine designed specifically for kneading and mixing dough to ensure a thorough blending of ingredients.

**CAN** be monitored by FitMachine.
Driver motors and in some cases bearings can be monitored.

**CAN** be monitored by FitPower (driving motor).

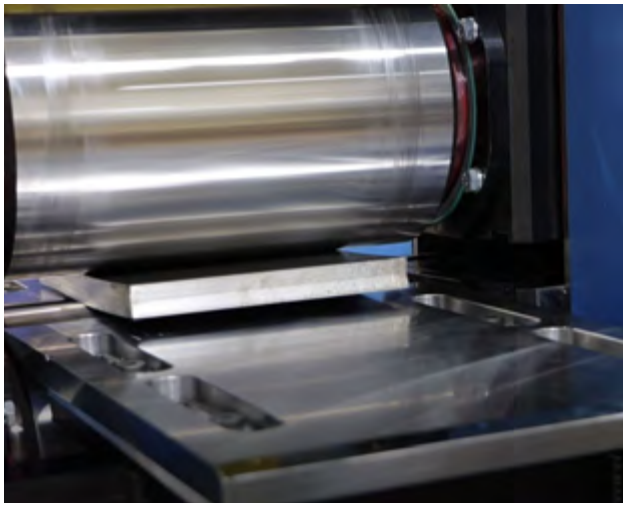
# Rolling Mills

## Rolling Mill - Hot

Rolling mills move hot metal between two rolls making it possible to flatten and shape the final product according to exact specifications.

**CAN** be monitored by FitMachine. Driver motors and bearings can be monitored.

**CAN** be monitored by FitPower (driving motor).



## Rolling Mill - Cold

Cold rolling is a process by which metal is passed through rollers at temperatures below its recrystallsation temperatures.

**CAN** be monitored by FitMachine. Driver motors and bearings can be monitored.

**CAN** be monitored by FitPower (driving motor).

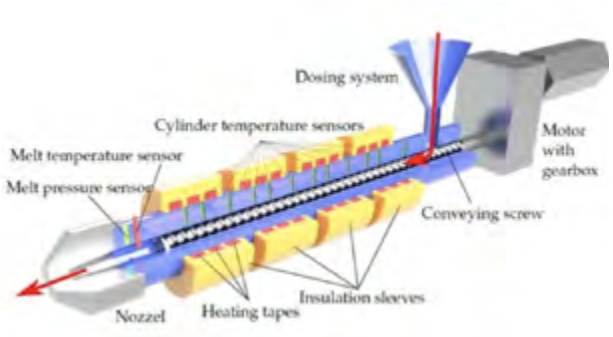
## Rolling Mill - Piercing and Mandrel

A Piercing and Mandrel Mill is a specialized type of rolling mill used in the steel industry for producing seamless steel tubes and pipes.

**CAN** be monitored by FitMachine. Driver motors and bearings can be monitored.

**CAN** be monitored by FitPower.

# Extruders




## Extruders - Plastic

Thermoplastic pellets are added into a hopper (often vacuum fed) where they are fed down a long cylindrical tube by a screw towards a small opening in the end of the extruder known as a dye.

**CAN** be monitored by FitMachine. Driver motors and bearings can be monitored however the auger shaft is often low speed.

**CAN** be monitored by FitPower (driving motor and heating elements).

## Extruders - Blow Molding

Blow moulding is a similar process to extruding however the dye is very thin and generates a thin walled tube that compressed air is blown through creating a bubble like sheet.

**CAN** be monitored by FitMachine. Driver motors and bearings can be monitored however the auger shaft is often low speed.

**CAN** be monitored by FitPower (driving motor and heating elements).

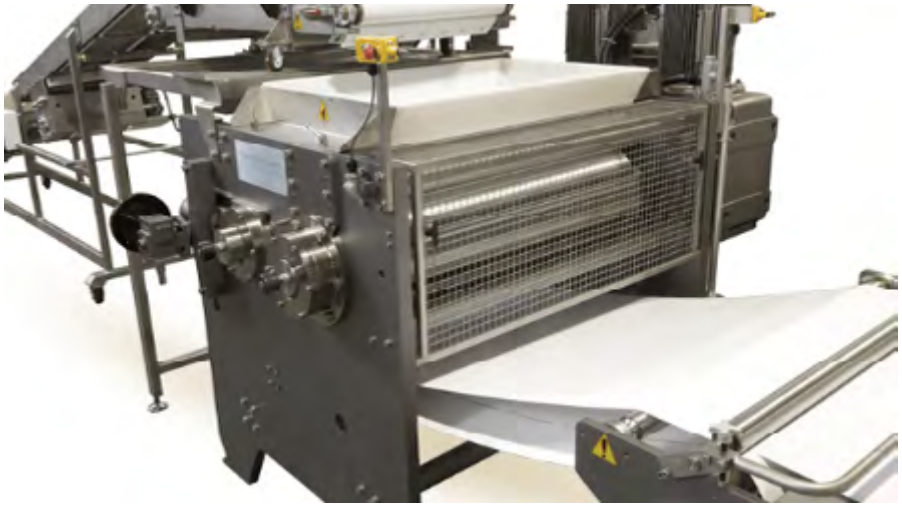
## Extruders - Aluminum

Aluminum extrusion is a process by which aluminum alloy material is forced through a die with a specific cross-sectional profile.

**CAN** be monitored by FitMachine. Driver motors and bearings can be monitored.

**CAN** be monitored by FitPower (driving motor and heating elements).

# Dough



## Dough Sheeter

Industrial dough sheeters create a consistent thin dough sheet for further processing.

**CAN** be monitored by FitMachine. Rolling bearings and drive motors can be monitored.

**CAN** be monitored by FitPower (Drive motor).

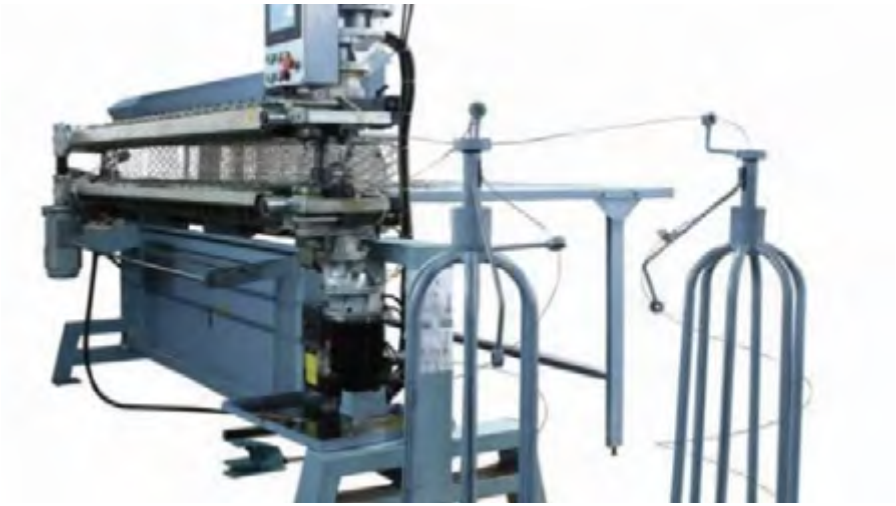
## Dough Divider

Dough dividers are used in bakeries to divide high volumes of dough into quantities of equal size.

**CAN** be monitored by FitMachine. Rolling bearings and drive motors can be monitored and rollers in certain cases.

**CAN** be monitored by FitPower (Drive motor).

# Mattress Making



## Mattress Making - Coil Winder

Steel wire is twisted into individual coils and then sheared to form separate mattress springs.

**CAN** be monitored by FitMachine. Rolling bearings and drive motors can be monitored and as well as shearing motor.

**CAN** be monitored by FitPower (Drive motor).


## Mattress Making - Coil Stacking Machine

Pre-formed mattress coils are aligned and stacked into position for assembly.

**CAN** be monitored by FitMachine. Rolling bearings and drive motors can be monitored and rollers in certain cases.

**CAN** be monitored by FitPower (Drive motor).

# Mattress Making

## Mattress Making - Panel Sewing Machine

Thread is sewn together in large automated machines to create long banner like fabric that is used on the sidewalls of a mattress. A similar machine is used to make the top and bottom cover.

**CAN** be monitored by FitMachine. Rolling bearings and drive motors can be monitored and rollers in certain cases.

**CAN** be monitored by FitPower (Drive motor).

## Mattress Making - Mattress Packing Machine

A large machine compresses the mattress while simultaneously packing the product in a air tight, vacuum packed plastic package. The machine then folds and rolls the mattress allowing it to be placed in a small box ready for shipping.

**CAN** be monitored by FitMachine. Rolling bearings and drive motors can be monitored and rollers in certain cases.

**CAN** be monitored by FitPower (Drive motor).

# Hulling Machines

## Hulling Machine - Almonds

An almond huller is a machine specifically designed to remove the outer hulls from almonds. The hulling process is essential because it prepares the almonds for further steps such as drying, shelling, and eventual packaging for consumption or further industrial use.

**CAN** be monitored by FitMachine. bearings and drive motors can be monitored and rollers in certain cases.

**CAN** be monitored by FitPower (Drive motor).

## Hulling Machine - Rice

An industrial rice huller, also known as a rice husker, is a machine used to remove the outer husks (chaff) from rice grains.

**CAN** be monitored by FitMachine. bearings and drive motors can be monitored and rollers in certain cases.

**CAN** be monitored by FitPower (Drive motor).

# Industry-Specific and Mobile Equipment


Ask our team about industry-specific machinery. Mobile equipment can be dependant on many factors so once again, ask our team.

## Want to learn more?

Get in touch with our team for more information
or **head to our website today.**

**movus.com.au**
**sales@movus.com.au**

MOVUS
SMARTER MACHINE MONITORING

**MOVUS Australia Pty Ltd**
107 Milton Road,
Milton QLD 4064