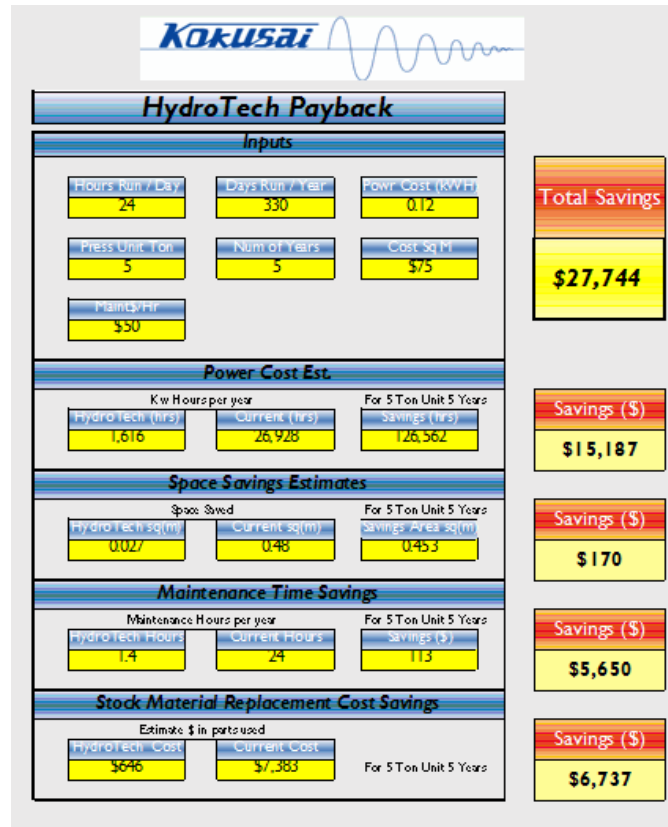


Major Benefits

- ♦ Low power consumption
- ♦ Maintenance free electro-servo hydraulic actuator
- ♦ Replaces noisy, dirty, and leaking separate hydraulic units
- ♦ Uses only 4% of oil
- ♦ No connecting pipes on floor that cause tripping and leaks
- ♦ Saves floor space
- ♦ Removes hydraulic valves
- ♦ No hydraulic filter
- ♦ Reduces manpower for maintenance and up-keep

Let us put together a cost justification together for you!



Kokusai

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Kokusai

HydroTech

Kokusai HydroTech is a self contained electro-servo actuation module designed to replace and upgrade your existing hydraulic unit



Hydrotech Details

The Kokusai **HYDROTECH** is a revolutionary product that can replace your current, leaking, noisy, high maintenance, and expensive hydraulic system. Let's take a look at some comparison numbers:

Cost / Energy

	Conventional	HydroTech
Press	20 Ton Unit	20 Ton Unit
Motor	5.5 kw 3 phase 200 volt	5.0 kw electric servo
Max Pressure	14.0 MPA press	14.0 MPA press
Power consumption	2.5 kw usage at Idle	0.075 kw usage at idle
	5.2 kw usage at press	1.9 kw usage at press
	3.4kw average power usage	0.68 kw average power usage
	$(2.5 \times 8 + 5.2 \times 4) / 12 = 3.4kw$	$(0.075 \times 8 + 1.9 \times 4) / 12 = 0.68kw$
Oil content	160 L of oil required	5.8 L of oil required
Oil replacement	Service once every year	Service once every 5 years
Energy loss	Hydraulic motor is always running	Servo motor runs only while pressing
	Control valve generate loss	No energy loss by valve

Floor Space

	Conventional	HydroTech
Dimensions	800mm Width	220mm Width
	600mm Depth	220mm Depth
	1000mm Height	560mm Height
Location	On floor	Mounts on machine frame

In addition to energy costs and floor space savings, **HYDROTECH** also offers improvements in Safety. Hydraulic systems are prone to leaking, causing tripping hazards along with the connecting pipes between hydraulic systems. Maintenance time for standard upkeep, hydraulic fluid replacement, hydraulic system adjustment and other time consuming tasks are also eliminated.

Hydrotech Comparison

Item for Comparison	Conventional	HydroTech
Hydraulic flexible hose	Required	Not required
Hydraulic Cooling system	Required	Not required
Disconnect, Hydraulic System	Required	Not required
Control Valve	Required	Not required
Oil Change	1 / year	1 / 5 year
Oil Filter Change	1 / year	1 / 5 year
Hydraulic Oil Required	160L	5.8L
Hydraulic Control Adjust	4 / year	Not Needed
Kokusai Servo Control Adjust	4 / year	Not Needed

Contact us today for a free evaluation of your current system and see what **HydroTech can do for you!**



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