

5 **BAUCE** YEARS 1970 2020

# Sammying machine for wet blue and wet white

***FULLY ELECTRIC MACHINE***



**ECO  
PROCESS**

# ENERGY SAVING

## Fully electric machine

- All motors are electric: in particular, blade cylinder motor, pressing cylinders motors and belt motor are adjusted by inverters
- Lower electricity consumption
- Comparative table of electric consumption\* (based on Italian medium price of 2018 – 0,210 €/KWh)

	Hydraulic 1S	E-Power
Total power for felts' movement	75 KW	60 KW
Hour cost	15,75 €/h	12,60 €/h
Daily cost (2 shifts – 16 hours)	252,00 €/day	201,60 €/day
Year cost (5 working days/week)	65.520,00 €	52.416,60 €

\*data referred to Bluextreme 1S Hydraulic and Bluextreme 1S E-Power

In 1 working year with E-Power machine you save **€ 13.104,00** on the electricity cost

# ENERGY SAVING/SUSTAINABILITY

## Fully electric machine

- Comparative table of costs for oil cooling\* (based on Italian electricity medium price of 2018 – 0,210 €/KWh and on Italian water medium price of 2018 – 0,71 €/m³)

Hydraulic 1S (Water heat exchanger)	
Exchanger flow rate	35 lt/min
Hour cost	1,50 €/h
Daily cost (2 shifts – 16 hours)	23,86 €/day
Year cost (5 working days/week)	6.202,56 €
Water consumption per year	8.736.000 lt

E-Power (Air heat exchanger)	
Power	0,55 KW
Hour cost	0,12 €/h
Daily cost (2 shifts – 16 hours)	1,92 €/day
Year cost (5 working days/week)	499,20 €

\*data referred to Bluextreme 1S Hydraulic and Bluextreme 1S E-Power

In 1 working year you can save **€ 5.703,36**

# ECOLOGICAL SUSTAINABILITY

## Fully electric machine

- Reduced hydraulic system\*: oil tank of 95 liters instead of 400 liters (hydraulic machine); the hydraulic system involves only some auxiliary movements
- Lower working pressure: max pressure of 120 bar instead of 250 bar (hydraulic machines); this means an advantage in terms of oil consumption (with low working pressure you can keep the oil and the filters without change them for longer time). E-power machine is more ecological than Hydraulic machine.

### • Hydraulic machine – oil tank of 400 liters



### • E-Power – no oil tank outside the machine



\*data referred to Bluextreme 1S Hydraulic and Bluextreme 1S E-Power

# LESS MAINTENANCE

## Fully electric machine

### • Hydraulic machine\*

- Oil tank of 400 liters
- Max pressure 250 bar (oil/filter change every 7.000 h)
- Electrovalves
- Electrodistributors
- Main hydraulic pump
- Gear pump
- 4 filters
- Proportional valve
- Hydraulic power is used for auxiliary movements and felts' transmission
- Teleassistance: issues that involve the hydraulic system can't be recognized by teleassistance (f.e. the issues that involve the speed of the felts).

### • E-Power\*

- Oil tank of 95 liters
- Max pressure 120 bar (oil/filter change every 15.000 h)
- Electrovalves "on/off"
- /
- /
- Gear pump
- 1 filter
- /
- Hydraulic power is used only for auxiliary movements
- Teleassistance: more accurate check-up of the issues, due to the machine is completely electric (all the motors are controlled by inverters).

\*data referred to Bluextreme 1S Hydraulic and Bluextreme 1S E-Power

## LESS MAINTENANCE

### Fully electric machine

- Comparative table for oil changing\*

	Hydraulic 1S	E-Power 1S
Oil quantity	400 liters	95 liters
Oil + filter replacement	1 time every 2 years	1 time every 6 years
Oil cost	1.500,00 €	380,00 €
Filter cost	230,00 €	100,00 €
Oil disposal cost	108,00 €	25,65 €
Oil changing total cost	1.838,00 €	505,65 €

Taking in exam a period of 6 years (1 cycle of oil changing for E-Power, 3 cycles for Hydraulic 1S), you can save **€ 5.008,35**

- Maintenance: E-Power is a fully electric machine; the cost for the maintenance and the issues detection is greatly reduced: our technicians can do a complete check-up of the machine (that is online, through teleassistance) remotely, reducing maintenance and issues detection time of about 50%.

Taking in exam the same issue:

Hydraulic 1S: technician cost (excluding trip) – 8 hours: € 280,00

E-Power: teleassistance cost – 2 hours: € 120,00

\*data referred to Bluextreme 1S Hydraulic and Bluextreme 1S E-Power

## AVAILABLE E-POWER VERSION

Available with 5/7 pressing cylinders with the following configurations:

- 1S: 1 blade cylinder acting on the belt
- Versus: 2 blade cylinders acting on the belt
- 1S V8: 1 blade cylinder acting on the lower felt and on the belt