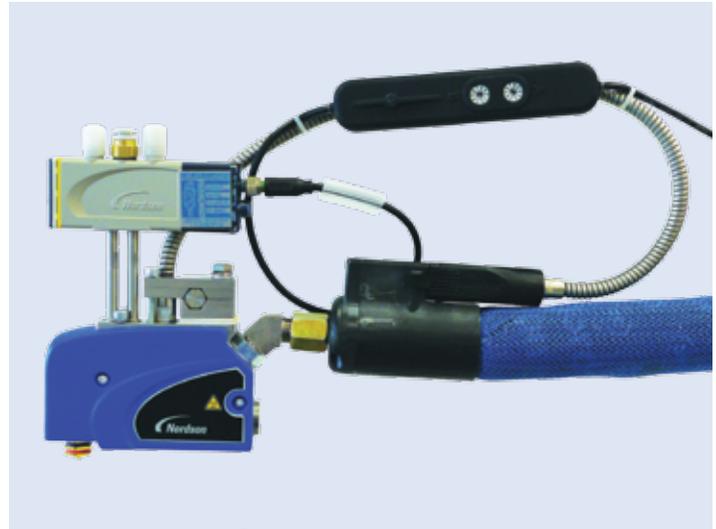


# OptiBond™ Packaging Solutions EcoBead™ Pattern Generator

Save adhesive and maintain bond strength using the EcoBead and MiniBlue II solution to apply intermittent beads



Economical and easy to use, the EcoBead pattern generator lets you apply short, intermittent beads in place of long continuous beads by enabling your parent machine controls. The need to reprogram your PLC or add a conventional pattern controller is eliminated.

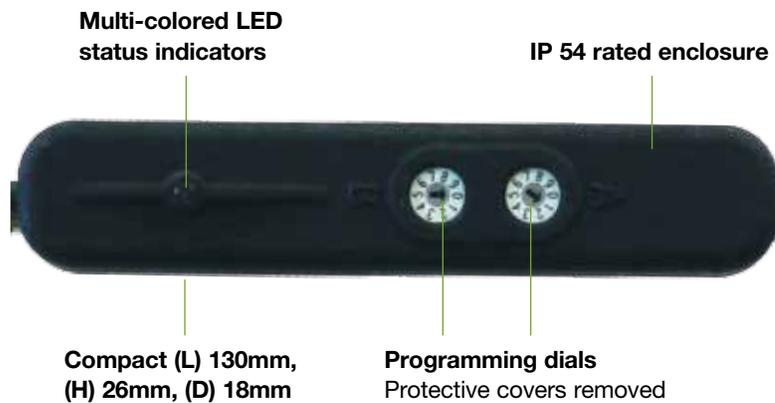
The EcoBead device is easy to install and connects directly to a Saturn® Platinum (SP) solenoid valve that provides air to a MiniBlue II adhesive applicator.

Adhesive savings ranging from 30- to over 50-percent are common. Your savings will depend on your application.

Features	Benefits
Quickly enables intermittent adhesive bead dispensing in current operations	Compatible with existing 24-volt control architectures
Easy in-line installation	No costly PLC or controller program changes required
Automatically adjusts to line speed changes	Assures programmed savings over a wide production range
Optional USB programming module for customized patterns	Flexibility to meet a wide variety of requirements
No-tool installation. Programs set with a common screwdriver	Fast pattern and bead changes. Easy adjustments for adhesive optimization
IP 54 rated	Withstands demanding environments
Multi-colored status LEDs	Monitor performance at a glance
Protective covers for programming switches	Prevents unauthorized changes or tampering
Needs no external power supply, encoder, trigger device or line-speed sensor	Lowest cost solution for intermittent bead dispensing



# EcoBead™ Pattern Generator



## Specifications

<b>Maximum Operating Frequency:</b>	150 Hz (9,000 cycles per minute)
<b>Setting resolution of on-time pulse:</b>	1 ms (1ms - 1 sec, in 1 ms steps)
<b>Input Voltage:</b>	24VDC nominal (spiked/boosted input signals are not supported)
<b>Output Voltage:</b>	24VDC switched, matched to MiniBlue II SP solenoid
<b>Capacity:</b>	One pattern control input; One solenoid output
<b>Connection:</b>	In-line connection using MiniBlue II connector
<b>Hold-up time:</b>	180 minutes after full charge
<b>Charging time:</b>	Varies by application (approximately 2 to 10 products)
<b>Enclosure Protection Class:</b>	IP54
<b>Approvals:</b>	CE
<b>Operating Temperature:</b>	5 - 60° C (40 - 140° F), 25 - 93% relative humidity

## Programs

- 40 preset programs
- 30-40-50-60% adhesive savings
- Ten pattern selections for each % savings setting
- 20 customizable programs
- All programs saved during power down condition

## Programmer:

- Input connection: USB type B
- Output connection: EcoBead connector (MiniBlue II)
- Application program for customized settings

**For more information, speak with your Nordson representative or contact your Nordson regional office.**

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