

# MOLDING THE FUTURE.

## Hunter Automated Machinery Corporation

Headquartered in Schaumburg, IL, Hunter is a world leader in matchplate molding and mold handling machinery sold to the foundry industry. Founded in 1964, Hunter is now a world leader in this industry with manufacturing plants across the globe. Over 1,600 Hunter Automatic molding machines, 100 automatic cores setters, and 450 mold handling systems have been produced worldwide.



## In Control

Hunter Automated Machinery's XL series of Horizontal Matchplate Molding Machines features a number of technological advancements that increase casting quality, productivity, security, and profitability. As part of their plan for this series, they wanted to accomplish the following:

- ✓ Improvement of general access control over current password system
- ✓ Better rights distribution system so only trained operators could access certain functions
- ✓ Fully engineered system to reduce R&D costs and time-to-market
- ✓ Long-term support to avoid expensive re-design and implementation costs

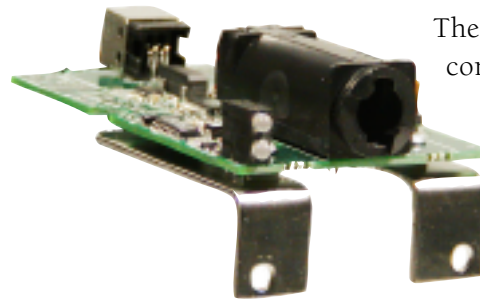
## The Solution is Key

Hunter integrated Datakey Electronics Keytroller™ IIs and LCK1000 memory Keys as an integral part of the added security features on their XL series. The XL series utilizes a PC-controlled touch-screen HMI control panel that easily communicates with the LCK1000 memory Keys via its RS-232 port and the Keytroller IIs. Keys are issued to each user of the machine in order to identify them to the system. The system won't work without a valid Key (**access**



**control**) and different rights can be granted to each user based on their position, level of training, need, trust, etc. (**rights distribution**). Datakey Electronics offered a solution that was rugged, unique, easy-to-implement and, best of all, it offered an upgrade over the "password" security which customers did not find effective in older models.

## Fully Engineered



The Keytroller II communicates with any PLC- or PC-controlled system (host) via an RS-232 or USB interface. Designed to work in the most rugged environments, the Keytroller II offers a fast and cost-effective solution for low volume OEM products such as control panels and industrial machines. The Keytroller "translates" a simple universal protocol used by the host to access and "communicate" with any Datakey Electronics' serial memory Key. This allows the user to implement the Keytroller II on a system without the need to design a control board and program a microprocessor. They are also ideal for applications having very short time-to-market constraints. Typical applications include: access control, rights distribution, calibration/recipe uploading, data logging, regulatory compliance monitoring, etc.

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### They Chose Datakey Electronics

Although on a very tight development schedule, Datakey Electronics offered them the product and responsiveness they needed to implement this off-the-shelf system into their XL Molding Machine—released just months later!

The Keytroller II solution gave Hunter a way to improve security over the password used on their older models and provided a proven rugged and reliable system that can survive in a harsh foundry environment. The uniqueness of the product also adds to the security of the Hunter system.

The Keytroller II eliminated the cost and time that would have been needed to design their own controller. The Keytroller IIs and LCK1000 memory Keys offered an easy and fast way to accomplish all of Hunter's objectives.



**Datakey**<sup>®</sup>  
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