

THE CHALLENGE

Mold lifters are supposed to help, not hinder, a production run. So when **Uniphase Inc.** encountered an issue with angled lifters on a new multi-cavity steel mold, they knew they had to act quickly to resolve the problem.

The custom injection molding and contract manufacturing company had started a high-volume program for one of its customers — a consumer package product made out of PC-ABS. But the side-ejection lifters kept pushing the parts out on an angle, causing them to stick to one side of the mold or the other.

“The tool wasn’t allowing the part to fall,” says Dave Granquist, **Uniphase** General Manager.

With two eight-cavity molds, each with 16 lifters, the sticking issue would bring a whole cycle to a halt.

“When you’re running well over a million parts, you can’t be stopping to pull the parts out,” says Granquist, even if you’re employing robotics like **Uniphase** does.

Adding more draft wasn’t an option. So **Uniphase** looked to **Bales**, as it does when facing a tough challenge like this one.

THE SOLUTION

Harry Raimondi, **Bales** Technical Services Manager, was a moldmaker himself for 29 years, prior to joining **Bales** in 1996.

Based on his extensive experience, Raimondi advised Uniphase that coating the molds with **Bales’** proprietary **NIBORE™** coating could solve the sticking problem. A combination of Nickel Boron Nitride, **NIBORE™** offers corrosion and oxidation protection equal to Electroless Nickel, with added lubricity and wear resistance.

A test run with just one cavity coated in **NIBORE™** proved Raimondi was right. The part released clean from the mold.

THE RESULT

Applying **NIBORE™** to the rest of the molds ensured **Uniphase** could get back to business.

“We were able to deliver on time,” Granquist says. “**Bales** enabled us to have a successful program. They are a quality company. We like to work with somebody we can trust.”

No matter what challenge you face, **Bales** will deliver the right solution, on time, with the highest of standards. For more information about our finishing and coating solutions, visit BalesUSA.com.



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- Dave Granquist
Uniphase General Manager
uniphaseinc.com

We Finish What Others Start.