

## CODEStream — Reliable. Economical. Secure.

The future of high R.E.S. laser marking

**CODE**Stream

► **Reliable. Economical. Secure.**  
**The future of high R.E.S. laser marking**

Today nearly all products incorporate a lot number, expiration date, or tracking code. However, existing legacy methodologies used to “write” these codes have inherent flaws. FUJIFILM CODEStream is the first laser marking technology that is highly reliable, economical, and secure or “High R.E.S.”

CODEStream is a transparent coating that reacts to laser energy forming a mark.

Compare today’s marking technologies:

	<b>CODEStream</b> ►►►►►►►►►►	<b>Thermal transfer</b>	<b>Inkjet</b>	<b>Laser ablation</b>
<b>Imaging quality</b>	<b>HIGH</b>	High/medium	Medium/low	High/medium
<b>Production throughput</b>	<b>HIGH</b>	Low	Medium	Medium
<b>Speed &amp; compatibility</b>	<b>HIGH</b>	Low	High/medium	Medium



**Imaging quality**

CODEStream puts an end to any limitations of readability by generating a high quality mark whenever and wherever needed. And since a CODEStream mark is limited by only laser resolution, marketing and design possibilities are increased significantly.



**Production throughput**

CODEStream reduces down time due to inkjet or thermal printer maintenance and cleaning, which keeps production moving. Because CODEStream is fully consistent, reject rates are held to a minimum.



**Speed & compatibility**

Written by laser energy CODEStream marks exceptionally fast, increasing throughput. Compatible with most laser writing equipment found on existing production lines, CODEStream virtually eliminates conversion costs.





## Data integrity

Security issues are paramount in many industries. The CODEStream non-contact marking method offers tamper-evident, variable data you can trust while reducing the likelihood of counterfeiting and RFID degradation.

**HIGH**

Low

Low

High



## Machine legibility

With CODEStream there are no more illegible bar codes or lost data. The high quality nature of a CODEStream mark assures that data communication is verifiable and complete.

**HIGH**

High/medium

Medium/low

High/medium



## Eco-friendliness

CODEStream eliminates fluids, particulates, VOCs, transfer ribbons and waste from the production process. It is a non-impact, clean procedure that reduces environmental impact and ensures a safer workplace.

**HIGH**

Ribbon disposal

Solvent release

Particulate release



## ► FUJIFILM technology behind the process

Developed by FUJIFILM Hunt Chemicals U.S.A., Inc., an ISO certified manufacturer and a leading innovator in chemical research and manufacturing since 1909, CODEStream is a transparent, water-based coating that produces a superior human and machine readable mark when exposed by a low power CO<sub>2</sub> laser. CODEStream is the most cost-effective solution for companies marking products in mass quantities.

CODEStream increases throughput while eliminating the need to order and inventory marking consumables like ink and transfer ribbons. With a multitude of applications, CODEStream is setting the standard for the future of marking and coding. CODEStream marks can be applied in exactly the place you need them every time, making package design less restrictive and mark-related rejects a thing of the past.

Light years ahead of alternative technologies currently in use, CODEStream offers highly readable, tamper-evident, unalterable marks that can lower overall production costs. With CODEStream, the future of high R.E.S. laser marking is truly here today.

Contact us for more information.

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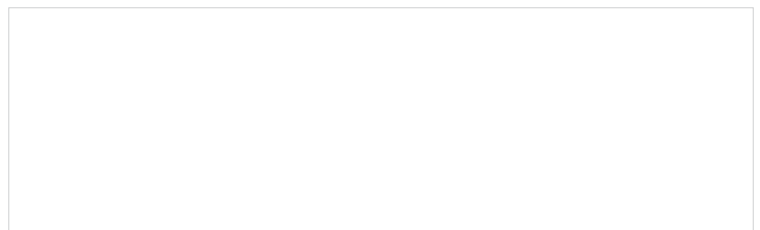
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**FORESTS FOREVER**  
THE PROMISE OF THE FUTURE IS THE HOPE FOUND WITHIN



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