LECTRA

6 ADVANTAGES OF CLOUD COMPUTING FOR MANUFACTURING

There are clear benefits to using the cloud for manufacturing:
- **20%** improvement in **time to market**
- **18%** average increase in **process efficiency**
- **15%** average reduction in **IT spending***

But what does that translate to on a daily basis?

*Vanson Bourne

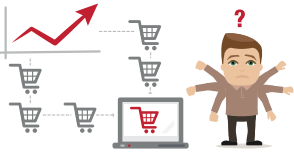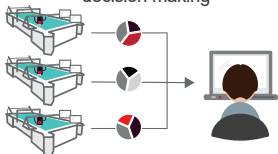| ON-SITE SYSTEMS	THE CLOUD
PROCESS EFFICIENCY & AGILITY	
Processing power limited by hardware capacity and worker availability	Process a larger number of orders with less people and in a shorter period of time with parallel processing
Software and hardware resources struggle to keep up with demand surges	Flexibility to immediately scale computing resources up or down when needed
COST-EFFECTIVENESS	
Long periods between major software upgrades with lengthy roll-out times	Immediate, ongoing service updates put new functions and features directly in users' hands
High upfront and maintenance costs for an IT infrastructure that may not be used to full capacity	Only pay for the capacity you need, when you need it
VISIBILITY	
Decisions often based on human observations, not objective data	Access real-time production data analysis and monitoring anywhere for fast decision making
Difficulty maintaining consistency in processes and products when working across multiple sites	Easier process standardization and best practice sharing across multiple sites

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COMMONLY ASKED QUESTIONS ABOUT THE CLOUD-BASED LECTRA DIGITAL CUTTING PLATFORM

PROCESS EFFICIENCY & AGILITY

Will an internet outage create a production stoppage?

Cutting jobs sent to the cutting room are stored and processed locally in the 'buffer'. The customer decides the amount of cutting jobs stored in the buffer. The cutting line can continue to cut those jobs already processed in the buffer.

If an internet outage does occur, what happens to cutting job information?

Any cutting jobs already in the buffer will be automatically retrieved and sent to the cutting room once the connection returns.

COST-EFFECTIVENESS

Are there any non-IT related cost advantages to using the cloud?

Performing operations in the cloud can also reduce utility costs. By using the cloud, companies consume less power and it is more efficient than having an in-house IT setup.

Will my company have to reconfigure our existing IT infrastructure?

No, the platform is designed to be compatible with standard IT infrastructures. IT pre-requisites for use of the platform are minimal, such as high-speed internet connection and a dedicated server.

VISIBILITY

What information is stored in the cloud?

Only information relevant to the order and preparation processes passes through the cloud. This includes data related to the:
- Pattern
- Markers
- Fabric
- Cutting order
- Cutting jobs
- KPIs/KOIs

Is my data secure?

Lectra uses the Microsoft Azure platform to store data. Each company's data is kept separate from those of other customers. Lectra always treats customer data as confidential. All data is encrypted. Lectra cannot access, use or share the information collected except as set forth in the Terms & Conditions.

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