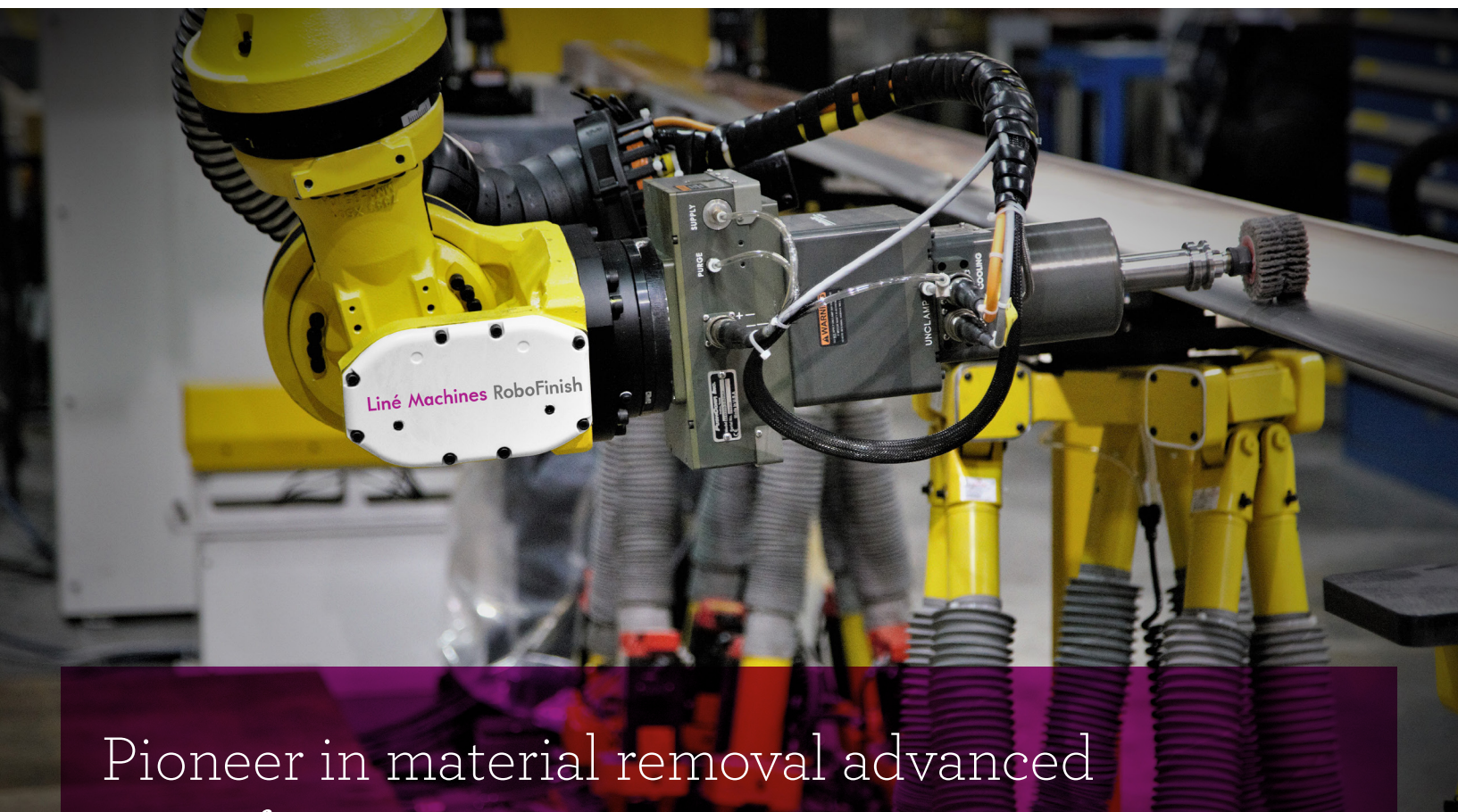


MATERIAL REMOVAL

Liné Machines RoboFinish

Grinding, Deburring, Sanding & Polishing



Pioneer in material removal advanced manufacturing

Fives Robotics team designs, engineers, manufactures and installs customized robotic solutions to increase the overall efficiency of many core manufacturing applications

- Trimming, drilling & milling
- Tooling
- Tool changing
- Deburring and polishing
- Cleaning
- Surfacing
- Scanning inspection
- Forming

Highly flexible integrated solutions

GRINDING & DEBURRING

The Liné Machines RoboFinish can be equipped with versatile pneumatic or electrical spindles for efficient & consistent grinding or deburring solutions suitable for a wide range of hard and soft materials.



SANDING & POLISHING

Compliances are one of the two keys to the process. The choice of the right abrasives is the second key to open the door to success.

Combined with the right abrasive, your manufacturing gains in productivity and on surface quality finish. In addition, the life cycle of the abrasive is extended.

Fives works together with abrasive suppliers and provides a wide range of:

- Sanding disc/Flap disc
- Abrasive tools



EFFECTORS

Going from manual to automated operations implies restructure human sensing & achieve better sustainable quality. With compliances, effectors ensure consistency to deliver regular finish on part.

Fives integrates:



- Pneumatic spindle
- Radial passive compliance
- Quick effector change



- Electric spindle
- Active compliance
- Automatic tool change



Some processes require specific trajectories. Determine with us the best for your application.

- Orbital / linear sanding
- Abrasives toolpath definition

Provides high material removal rates & outstanding performance

MAIN FEATURES

- Tool/abrasive management
- Automatic tool changer
- Quick effector changer
- Tool breakage system
- Part probing system
- Multi workstations
- Robot protection shield
- Dust management

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