

# Guarneri ReLife

## Complete Technological Upgrade for Calenders

The **Guarneri ReLife** program is designed to restore your calender to performance levels comparable to those of the latest generation machines through a complete upgrade of electrical, hydraulic and control systems.

The upgrade includes the integration of a new electrical control cabinet with PLC and HMI interface, the implementation of advanced digital control logic, and the installation of a high-efficiency hydraulic power unit.

Thanks to the revision of control circuits and the optimization of pressure, temperature and process management parameters, the machine achieves higher levels of precision, operational stability and production reliability.

**The result is a more efficient, safer calender ready to meet the requirements of modern industry.**

### Economic Benefits

- Optimization of investment through the technological upgrade of the existing calender
- Reduction of maintenance costs in the medium and long term
- Reduced downtime thanks to the reliability of the newly installed systems
- Greater production continuity through digital process control
- Fast implementation times without the need to replace the entire machine
- Increased value of the existing machine, extending its operational life cycle
- Reduced maintenance times thanks to immediate availability of key spare parts

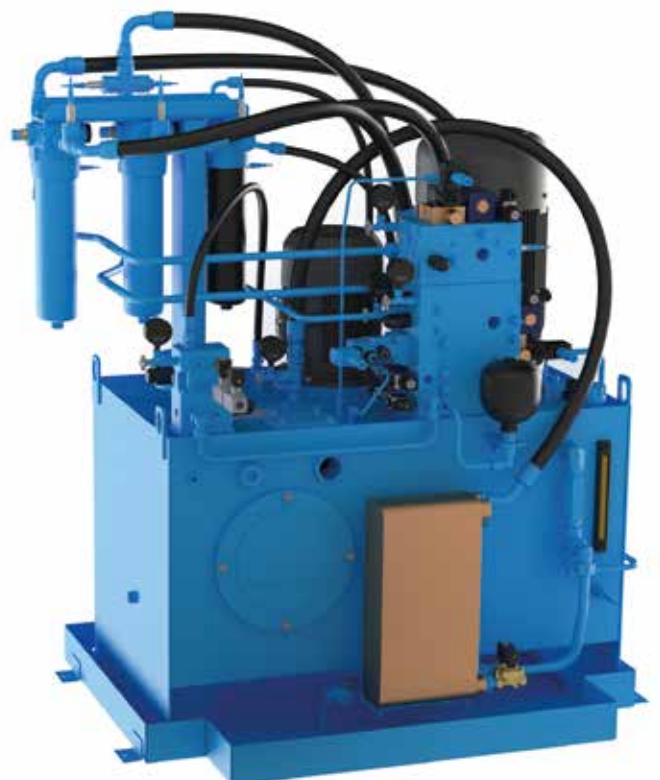
### Technology and Performance - Improved Operational Performance

- New electrical cabinet with latest-generation PLC and intuitive HMI interface
- High-efficiency hydraulic power unit with dedicated electronic control
- Higher precision and operational stability thanks to proportional valves for optimal pressure management
- Automatic control of pressure, temperature and production recipes
- Reduced machine setup and start-up times
- High repeatability of production parameters

### Technological Modernization

The **ReLife** program modernizes your calender with the latest digital technologies, making it ready for integration into modern manufacturing systems.

- Full Industry 4.0 readiness
- Interconnection with company management software systems
- Integrated remote assistance and remote diagnostics
- Data acquisition and process parameter analysis
- Advanced predictive maintenance functions
- Compliance with CE safety standards
- Upgradable firmware for future expansions and optimizations



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## Nipco™ Rolls

### Complete Overhaul of Nipco™ Rolls

Thanks to its ownership of the Nipco™ technology, Guarneri is able to provide a complete revamping service for Nipco™ rolls, ensuring highly qualified interventions fully compliant with the original technical specifications.

Direct availability of all original components and spare parts allows complete roll overhauls, restoring performance, reliability and operational precision.

The revamping intervention includes inspection and restoration of the main functional elements of the roll, ensuring maximum efficiency, operational continuity and long service life.

### Advantages

- Complete revamping of Nipco™ rolls according to original technical specifications
- Direct availability of all spare parts and components
- Restoration of roll performance and reliability
- Increased operational lifetime and stability
- Interventions carried out by Nipco™ technology specialists

## GTP6 Polyamide Sleeves

Guarneri directly manufactures GTP6 polyamide sleeves used on Nipco™ rolls, ensuring high manufacturing quality, dimensional precision and full compatibility with different calender configurations.

Thanks to the experience gained over time and in-house sleeve production, we are able to supply spare parts for all calenders equipped with Nipco™ rolls installed from 1979 to the present day.

The availability of a wide range of diameters and heights also allows us to provide solutions compatible not only with Guarneri calenders, but also with calenders manufactured by other suppliers.

### Advantages

- Direct Guarneri production of GTP6 polyamide sleeves
- Spare parts availability for calenders installed from 1979 to today
- Wide range of diameters and heights available
- Compatibility with Guarneri calenders and machines from other manufacturers
- High component quality and precision
- Fast supply thanks to in-house production

