

## System 3R

# Sustainable benefits of Automation

### Improved productivity

Automation systems increase existing equipment productivity, by optimizing production schedules and achieving 24/7 consistent output.

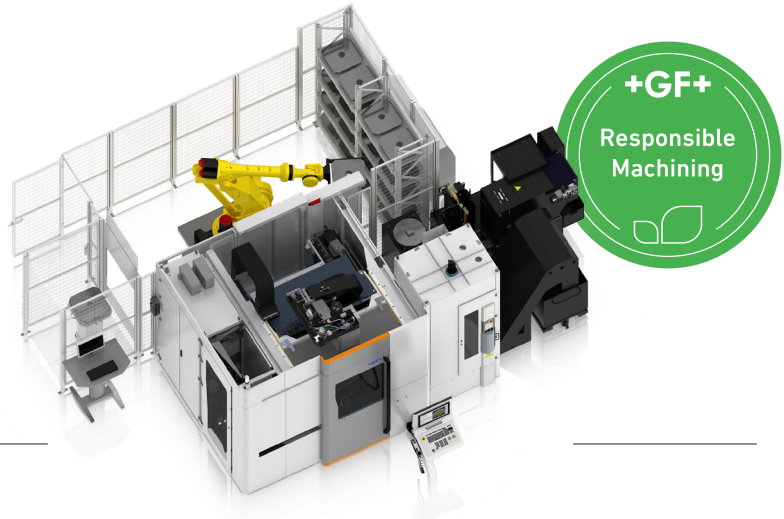
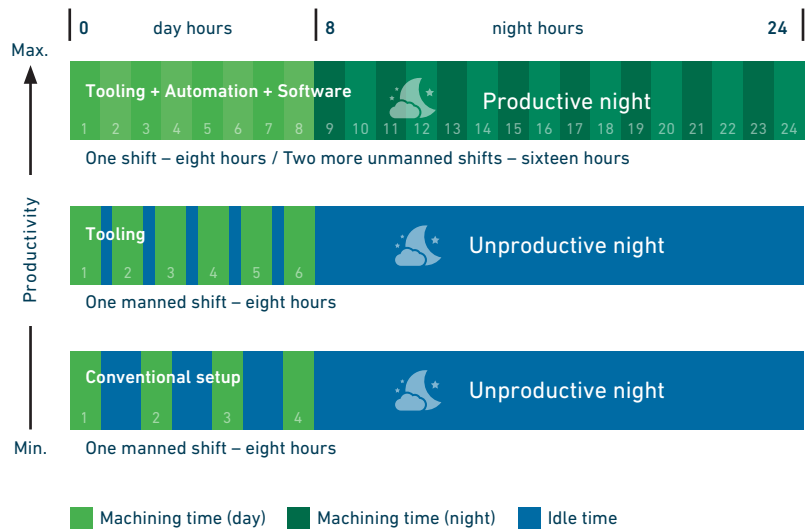
- **Tooling** maximizes value-added time in each machine by minimizing setup time
- **Automation** allows machines to work during unmanned time, e.g. nights and weekends
- **Software** increases flexibility, adapting production to unplanned priority changes or machine unavailability

### Enhanced ease of operation

Seamless equipment integration and intuitive interfaces permit easy management of complex multi-technology workflows. A simple drag-and-drop priority change on the software panel guarantees maximum flexibility. Automated systems eliminate human error and allow tracking of each workpiece, resulting in consistent output and reduced downtime.

### Operator health and skillset

By taking over physically demanding tasks, Automation reduces the risk of musculoskeletal injuries and fatigue-related issues. Sensors and algorithms alert operators to potential dangers and allow for prompt intervention. Human resources are available for higher value activities, developing advanced skills on the process and on the workpiece flow in the automated system.



### Life-long sustainable solutions

- **From the beginning:** System 3R produces Automation in Vällingby (Sweden), a carbon-neutral site (GHG Protocol's Carbon Emissions Scopes 1&2)
- **During equipment life:** thanks to reliable repeatability of Automation, machines achieve extended working lives, reducing maintenance costs and optimizing production processes. Machines can be used outside of daily energy peak times, contributing to a lower and distributed consumption.
- **After life:** the majority of Automation products can be disposed as recyclable metals and non-hazardous electronic components according to the local regulation.