

可单独组合的模块，在各自的包装过程中提供准确的支持。  
在各个服务级别提供专业化合作。

# 服务+

模块管理成就您的优质服务包



		基础包	升级包 全球范围差旅	优选包 全球范围差旅
		周一 - 周五 8:00 a.m.–5:00 p.m. (CET) <sup>1</sup>	周一—周五 6:00 a.m.–10:00 p.m. (CET) <sup>1</sup>	24小时制
设备	热线电话	响应:根据实际情况	响应:3小时内	响应:不超过1小时
	远程服务, 包括热线电话	响应:根据实际情况	响应:3小时内	周一—周五 6:00 a.m.–12:00 p.m. (CET) <sup>1</sup> 响应:不超过1小时
	现场服务	响应:根据实际情况	出发时间 ≤ 48 小时	出发时间≤24 小时
	备件时效	库存备件: 下一个工作日	备件库存管理一站式服务	增值服务:FMECA 研讨会
软件 SCADA, Track & Trace, 整线服务器 现场服务器	远程服务, 包括热线电话	响应:根据实际情况	响应:3小时内	响应:不超过1小时
	现场服务	响应:根据实际情况	出发时间≤48 小时	出发时间≤24 小时

1. 工作时间:周一 - 周五, 不包含法定假期
2. 不包含圣诞节 (12月24-26日) 及新年假期(12月31日及1月1日)
3. 服务目的地无特别出行限制(例如 签证及疫情限制)

Individually combinable modules for exactly the right amount of support in the respective packaging process.  
Professional and cooperative at every level of service.

# ServicePlus

MODULE BY MODULE FOR YOUR PERFECT SERVICE PACKAGE.



		BASIC	COMFORT WORLD TRAVEL	PREMIUM WORLD TRAVEL
		Mon.–Fri. 8:00 a.m.–5:00 p.m. (CET) <sup>1</sup>	Mon.–Fri. 6:00 a.m.–10:00 p.m. (CET) <sup>1</sup>	Daily ▪ 24 hrs <sup>2</sup>
MACHINES	Telephone hotline	Response: according to availability	Response: within 3 hrs	Response: within 1 hr
	Remote service incl. telephone hotline	Response: according to availability	Response: within 3 hrs	Mon.–Fri. 6:00 a.m.–12:00 p.m. (CET) <sup>1</sup> Response: within 1 hr
	On-site service	Response: according to availability	Express departure ≤ 48 hrs.	Express departure ≤ 24 hrs.
	Spare parts availability	Stocked spare parts: following working day	One-off initial stock recommendation Spare parts management	Additionally: FMECA-Workshop
SOFTWARE SCADA, Track & Trace, Line server, Site server	Remote service incl. telephone hotline	Response: according to availability	Response: within 3 hrs	Response: within 1 hr
	On-site service	Response: according to availability	Express departure ≤ 48 hrs.	Express departure ≤ 24 hrs.

<sup>1</sup> Working days: Mon.–Fri. excluding legal holidays

<sup>2</sup> Excluding Christmas 24.–26.12., New Year's Eve 31.12., and New Year's Day 01.01.

<sup>3</sup> Provided entry into the country is possible without travel restrictions (e.g., visa or pandemic restrictions)

维护+ 代表稳定的生产及持续的运行时间，帮助客户维持整线的价值。设备维护模块、校验方式及最新安全更新的组合适用于所有 Uhlmann 解决方案。

# 维护+

四个维度提升设备可用性



## 机器

### 基础方案：

设备每年检查及增补件；维修建议。

### 升级方案：

基础方案增加年度效率分析及对比FMECA；模具数据备份；可选当地分支机构服务工程师上门服务。

### 优选方案：

升级方案的基础上增加维护管理；可选服务工程师上门服务；现场操作培训。

## 增值项

### FMECA

服务/维护管理分析及设备使用统计；由 Uhlmann 提供的定制优化方案。

### 维护工程师：

组织及协调现场维护方案。

### E-CHECK:

按照行业安全标准进行设备测试运行；出具测试报告，检测标签及相关证书。

## 校准

### 压力螺母：

成型及密封工位压力螺母根据规定进程进行校准。

### VisioScan:

成型膜及盖膜表面常规校准检测系统VisioScan。

### 瓶装线：

旋盖扭矩校准。

服务工程师的差旅时间及费用不记入此范围/固定费用范畴，另行收费。

MaintenancePlus stands for stable production and maximum machine uptime, and helps you to retain the optimum value of your packaging line. A combination of classic machine maintenance modules, calibration measures and the latest security updates for all Uhlmann solutions.

# MaintenancePlus

FOUR AREAS FOR ADDED MACHINE AVAILABILITY.



## MACHINES

### Basic:

Annual inspection of machines and additional components; maintenance measure recommendations

### Comfort:

Basic plus preparation and annual comparison of the effect analysis FMECA; format data backup; a preferred technician from the respective local services unit

### Premium:

Comfort plus maintenance management; a preferred maintenance technician; on-site practical training

## USEFUL ADDITIONS

### FMECA:

Joint analysis of your servicing/maintenance management and the utilization of your machines; tailored improvement proposals prepared by Uhlmann

### Maintenance supervisor engineer:

Organization and coordination of on-site maintenance measures

### E-CHECK:

Testing of the machine electrics in accordance with industrial safety regulations; issue of a test report, inspection tag, and certification

## CALIBRATION

### Pressure nuts:

Calibration of forming and sealing station pressure nuts according to a certified process

### VisioScan:

Regular calibration of the forming and lid material surface scanning inspection system VisioScan

### Bottle lines:

Calibration of the cap torque

Traveling time and expenses incurred by visiting technicians are not included in the scope/fix prices of these three areas and will be charged additionally.

通过附加的输出使其物超所值。我们的操作专家仔细检查整线设备情况、生产材料、设备环境、人员及优化的进程。利用定制的各种服务模块的组合，帮助您识别设备潜能以创造更多附加值。

旨在提供优化的包装进程，额外的输出及更高的生产力

# 生产力+

集分析及解决于一体

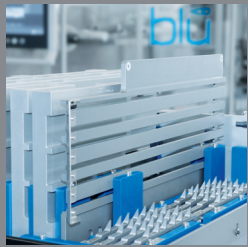





运行数据评估	潜能分析	员工技能评估	现场生产分析		
<ul style="list-style-type: none"> <li>每季度对历史12个月的运行数据进行评估</li> <li>提供评估结果及建议方案（德语或英语）</li> </ul>	<ul style="list-style-type: none"> <li>使用客户数据进行初级分析</li> <li>批次历史数据评估，周期6个月；选择极具市场的三种产品/模具</li> <li>结果演示（德语或英语）</li> </ul>	<ul style="list-style-type: none"> <li>对运行相关操作人员进行技能评估（操作员、机械工程师、电气工程师等）</li> <li>普通话沟通测试</li> </ul>	<ul style="list-style-type: none"> <li>设备/整线进程分析</li> <li>设备及流程评估</li> <li>日常结果审核</li> <li>2位OPEX专家，2个工作日</li> <li>根据评估结果提出建议方案</li> </ul>		
			+	+	+
			详尽分析报告	现场跟踪分析	可持续性报告
			<ul style="list-style-type: none"> <li>针对相关发现进行汇总并提出建议的解决方案，通过拓展报告展示（约100页，德语或英语）</li> <li>网络传输汇总报告</li> </ul>	<ul style="list-style-type: none"> <li>已执行方案评估并识别二级潜能</li> <li>2位OPEX专家，3个工作日</li> <li>结果评估</li> <li>附带详细执行建议的评估报告</li> </ul>	<ul style="list-style-type: none"> <li>使用检查项列表完成执行/进程检查</li> <li>1位OPEX专家，2个工作日</li> <li>涵盖评估结果的可持续性报告</li> </ul>

ProductivityPlus more than pays for itself through added output. Our operational excellence experts scrutinize the areas line equipment, production material, line environment, personnel, and utilized procedures. Using a tailored combination of variable service modules, they then help you to identify hidden potential for greater added value. For optimized packaging processes, additional line output, and higher productivity.

# ProductivityPlus

ANALYSIS AND SOLUTION IN ONE.



Audit trail data evaluation	Potential analysis	Staff knowledge assessment	On-site production analysis		
<ul style="list-style-type: none"> <li>Quarterly evaluation of audit trail data over a 12-month period</li> <li>Presentation of results with action recommendations (DE or EN)</li> </ul>	<ul style="list-style-type: none"> <li>Preliminary analysis using customer data</li> <li>Batch history evaluation on the basis of a 6-month batch data analysis; selection of three products/formats with the greatest potential</li> <li>Presentation of results (DE or EN)</li> </ul>	<ul style="list-style-type: none"> <li>Anonymous assessment of knowledge level of the involved line personnel (operators, mechanics, electricians, etc.)</li> <li>Test in the national language</li> </ul>	<ul style="list-style-type: none"> <li>Process analysis of the machine/line</li> <li>Evaluation of machine and process knowledge</li> <li>Daily review of results</li> <li>Two OPEX experts/two days</li> <li>Summary of reviewed results with action recommendations</li> </ul>		
			 Detailed analysis report	 On-site follow-up analysis	 Sustainability package
			<ul style="list-style-type: none"> <li>Summary of all relevant findings with proposed solutions in an extensive report (approx. 100 pages, DE or EN)</li> <li>Presentation of summary via WebEx</li> </ul>	<ul style="list-style-type: none"> <li>Review of the implemented solutions and identification of secondary potential</li> <li>Two OPEX experts/three days</li> <li>Daily review of results</li> <li>Summary of reviewed results with detailed action recommendations</li> </ul>	<ul style="list-style-type: none"> <li>Implementation/progress review using checklists</li> <li>One OPEX expert/two days</li> <li>Sustainability report with summary of results</li> </ul>

培训+ 的宗旨是熟练的技能与 Uhlmann 设备的性能相匹配，为您提供符合长期发展，遵循 GMP 规则的培训项目。这一切基于独立的培训计划和自由的模块组合，为多样化的目标群组配置相应的设备类型与操作人员组合。经过测试且成功执行。

# 培训+

专业培训, 专业员工



## A 操作

**您将获益：** 得益于熟练的设备及组件操作，有效提升整线输出。

### 培训目标：

- 自信、独立的操作设备、显示屏、检测系统、打印机、Track & Trace 及配套部件。
- 生产准备
- 打印位置调整、印刷质量纠偏
- 通过网络检索追踪数据
- 故障分析及排除
- 建立基本的技术储备为以下模块做准备

## B 模具更换

**您将获益：** 准确、快速且高效的完成设备重置及打印系统检测。

### 培训目标：

- 模具调整
- 有效完成模具更换，模具优化微小调整
- 生成、测试、调整及分析新的检测系统模具
- 生成、评估及优化打印系统模具

## C 维护

**您将获益：** 基于有效的计划及维护提升设备功用。

### 培训目标：

- 设备及部件的有效维护及维修
- 润滑点本地化处理，选用适合的润滑产品
- 易损件识别及监控
- 错误分析及纠正
- 基础调整

## D 电器件/电气部分

**您将获益：** 扩大电气/电子元器件的学习范围，完成故障分析及故障排除。

### 培训目标：

- 在电路图/配件清单中进行电子件识别
- 故障分析及排除
- PLC 软硬件操作
- 自动控制系统固件检测
- 软件及固件更新

## E 管理

**您将获益：** 处理系统管理任务、有效利用设备数据及备份管理。

### 培训目标：

- 本地用户生成及配置
- 数据归档及检索，数据输入及输出
- 生成及管理系统备份
- 利用备份恢复IPC
- 检测系统备份，恢复已存备份

Excellent skills matched to your Uhlmann machines and lines are the objective of TrainingPlus, our long-term, GMP-compliant training program for your employees. It is based on individual training schedules and freely combinable modules, aimed at various target groups, and geared to the proficiency level of the participants and your machine types/configurations. Tested, successful completion is certified.

# TrainingPlus

CLEVER TRAINING, CLEVER EMPLOYEES.



## A Operation

**Your benefit:** improved output resulting from proficient machine and component operation

### Training objectives:

- Confident, independent handling of machines, HMI, inspection systems, printers, Track & Trace, auxiliary components
- Preparation of production on the machine
- Adjustment of the print position, correction of print quality where appropriate
- Retrieval of tracking data via WebView
- Analysis and correction of minor malfunctions
- Buildup of basic technical know-how as the basis for the following modules

## B Format changeovers

**Your benefit:** correct, fast, and efficient resetting of machines, as well as inspection and printing systems

### Training objectives:

- Confident handling of format parts
- Efficient format changeovers, minor adjustments for format optimization
- Create, test, adjust, and analyze new inspection formats
- Create, assess, and optimize print formats

## C Maintenance

**Your benefit:** maximum machine availability on the basis of effectively planned, in-house maintenance

### Training objectives:

- Efficient maintenance and servicing of machine and components
- Localization of lubricating points, use of suitable lubricants
- Recognition and monitoring of wear
- Analysis and correction of errors
- Basic adjustments

## D Electrics/electronics

**Your benefit:** broaden specific electrics/electronics know-how, enabling malfunction analysis and troubleshooting

### Training objectives:

- Identification of electrical components in circuit diagrams/parts lists, localization on the machine
- Analyze and correct machine malfunctions
- Confident handling of the PLC hard- and software
- Checking of firmware on the motor controllers
- Software and firmware updates

## E Administration

**Your benefit:** confident handling of system administration tasks, effective use of machine data, backup management

### Training objectives:

- Create and configure local users
- File/retrieve data, import/export from the user interface
- Create and manage system backups
- Restore IPC using a backup
- Back up inspection system, restore existing backup