INTRODUCTION

Frequently, modern consumers do not base their choice of a product on the actual advantages of the good they want to buy but on the look and feel of its packaging. This packaging has been doing much more than just protect the product and facilitate purchase handling for a long time. Design and extravagance entice young and old people to decide in favour of buying exactly this product. Information and safety are necessities our society takes for granted.

Manufacturers in the field of printing and packaging must account for the requirements of their customers in the manufacturing industry — and in further consequence consumers — in a creative, quick and reliable way which must, however, also be efficient, ecological and profitable.

The different business units are looking for IT-supported solutions to plan, control and manage their actual jobs. This search often leads to a mix of different IT systems which are difficult to connect.

Microsoft Dynamics 365 for Finance and Operations and cc|print and packaging offer a safe and future-proof investment for these requirements. A solution, which, based on a global standard, has incorporated the requirements of an entire industry, developed concepts and has been implementing them successfully for many years.

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**cc|print and packaging**

The ERP solution for the printing and packaging industry

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**3 QUESTIONS – A BALANCED APPROACH**

**Why COSMO CONSULT?**

Being the largest Microsoft Dynamics 365 for Finance and Operations partner in Europe and boasting over 100 installations, we are professed experts for Microsoft Dynamics 365 for Finance and Operations. Our consultants and experts have over 10 years of experience in the packaging industry and speak the language of our customers. They keep on developing together with our customers and thus have their fingers on the pulse of the industry. At the end of the day, it is this expertise which makes ERP projects successful and which turns our industry solution into your company solution.

**Why Microsoft Dynamics 365 for Finance and Operations?**

Microsoft Dynamics 365 for Finance and Operations, a state-of-the-art ERP application, offers scalability, internationality and reliability for medium-sized and large companies. Microsoft Dynamics 365 for Finance and Operations provides all the required tools and modules for a company’s optimisation, growth and orientation. An integrated system represents all the essential operational business processes. The well-known, intuitive user interface and the familiar look and feel of Microsoft products allow you to accelerate initial training and acceptance. Microsoft offers us and our customers a strong technological platform with a global network of partners and experts. This provides our customers with security of investment and flexibility.

**Why an industry solution?**

Aside from the production of flexible packaging, the cc|print and packaging solution also supports pure printing processes and processes in classical converting. You can use a flexible solution tailored to your requirements. Use cc|print and packaging to integrate your production processes and tried and tested business practices to standardise processes thus improving efficiency. The further development and continuous improvement of the industry solution that has been going on for over 10 years and the upgradeability form the basis for your security of investment.

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**PRODUCT HISTORY**

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**Microsoft Dynamics 365 for Finance and Operations**
THE JOURNEY IS THE REWARD

What started as mapping key processes in the packaging industry has meanwhile turned into cc|print and packaging a complete solution serving an entire industry. The same or similar requirements of our customers inspired us to develop a software solution able to map almost any process by default.

Our experts have been working with our customers’ specialists of various business units for over 10 years to map the requirements and complex tasks of their daily challenges. The result is an industry solution allowing every single user to focus on his/her tasks and rely on support from a system tried and tested over many years.

The interaction of different fields from quotation preparation to order processing, from product configuration and preparing efficient combinations and plans to production, from stock keeping to optimised commissioning and dispatch works in one solution along a common path. cc|print and packaging accompanies our customers on this path to achieve their goals.
CCO CONSULT HAS LOTS OF INTERNATIONAL EXPERIENCE IN THE PRINTING AND PACKAGING INDUSTRY, OUTSTANDING COMPETENCES AND A VERY GOOD REPUTATION IN THE INDUSTRY.

Gabriele Schuh
Head of Shared Service Center AX, Constantia Teich GmbH

CUSTOMER EXAMPLES & REFERENCES

Based on Microsoft Dynamics 365 for Finance and Operations, with cc|print and packaging, COSMO CONSULT has developed a pioneering industry solution for the packaging industry and print shops.

Our customers benefit from this industry solution because it is tailored to their individual requirements and demands and can thus be put to action with minimum effort. It can also be easily integrated into your existing IT environment, can be customised easily, offers a familiar user interface and is fully compatible with Microsoft Office applications.

Renowned companies in Europe and abroad already rely on COSMO CONSULT’s Microsoft-certified industry solution. This allows minimising costs and risks, optimised resource management and thus a high degree of target achievement in project management.

The solution’s release compatibility secures your investment also in the long term!

Constantia Flexibles

Constantia Flexibles produces innovative packaging solutions for customers from all over the world. The group of companies relies on COSMO CONSULT and its best practice experiences. cc|print and packaging — setting new standards in the packaging industry for over 10 years — was developed in a win-win cooperation from an individual solution expanded with targeted add-ons and consistent optimisations.

"COSMO CONSULT HAS LOTS OF INTERNATIONAL EXPERIENCE IN THE PRINTING AND PACKAGING INDUSTRY, OUTSTANDING COMPETENCES AND A VERY GOOD REPUTATION IN THE INDUSTRY."

Gabriele Schuh
Head of Shared Service Center AX, Constantia Teich GmbH
Mondi is an international packaging and paper group with manufacturing locations in 30 countries and 25,700 employees, and the globally leading manufacturer of paper bags and flexible packaging solutions. COSMO CONSULT oversees the ERP agendas of the “Industrial Bags” and “Coatings & Consumer Packaging” business units and globally offers selected Mondi plants the ideal support to implement requirements internationally.

Engelhardt Etikett
Engelhardt Etikett is the German market leader in the production of labels — regardless of whether paper or film, sheet fed or offset printing, as package band or wrapper — for the beverage industry. A total of 360 employees in two plants produce all kinds of labels for the food industry. Engelhardt Etikett has been trusting in COSMO CONSULT since the introduction of AX 4.0. The implementation of the latest version of Microsoft Dynamics 365 for Finance and Operations by COSMO CONSULT shall accommodate the challenges of the upcoming years.
FUNCTIONS & PROCESSES IN DETAIL

Quick calculation
Before all the details have been established or defined, the framework conditions for the production of a new product must be known and carved out. The expected costs for alternative runs are determined based on defined work steps, materials used, required additional costs as well as the consideration of surcharges.

cc|print and packaging provides the following to this end:

- simple and flexible configurator
- quick price indication
- transfer of data to order and article management

Quotation costing
Cost your quotation based on the master data of the production system and benefit from the integration of the CRM system. Regardless of whether the product has been specified completely (e.g. for repeat orders) or is still in the developmental stage (e.g. test order), quotations are prepared quickly and can be compared transparently.

The industry solution provides the scheme for the costing structure:

- quantity scales and variant calculations
- break-even analysis
- alternative machine utilisation and/or material usage
- calculation matrix
- transfer of quotation into a customer order
**Product cockpit**
The product cockpit is the centrepiece of cc|print and packaging. This is where all the required processes, settings and necessary materials are managed and represented in a transparent overview. Furthermore, integrated plausibility checks improve data quality thus preventing mistakes. A final step automatically prepares the parts list and work plan based on the stored configuration allowing quotations or production orders to be prepared right from the cockpit.

You manage the following at a glance:

- product creation
- creation of parts lists

**Prepress cockpit:**
The prepress cockpit is a component of the prepress. It combines order-related data required during the planning phase. The electronic order folder replaces the physical handover of order documents and guarantees up-to-date data during the entire customer order process.

cc|print and packaging offers all the required functions to map prepress before production:

- management of activities and deadlines
- assignment of activities to persons or departments
- status management
- order placement of printing-relevant materials and tools
**cc|print and packaging**
The ERP solution for the printing and packaging industry

**FUNCTIONS & PROCESSES IN DETAIL**

**Procurement**
The order processing includes stored approval procedures for order approval with workflow functionality. The continuous document management system provides all the required documents at the time of goods receipt. The quality management integrated in cc|print and packaging ensures that all test routines are complied with from goods receipt to production, and that errors are detected and processed accordingly.

**Order processing**
The system records customer forecasts and long-term sales plans in addition to the direct transfer of an existing calculation into an order or manual order entry. Order suggestions for long-running transactions or capacity reservations are generated from that. Intercompany orders allow the transfer of orders within a group of companies and the smooth processing of external production orders. This supports the ideal utilisation of machines across several plants. cc|print and packaging allows standardising and optimising recurring processes.

Services:
- order copy function for repeat orders or orders with design changes
- packaging codes to map individual packaging-schemes and packaging provisions
- dispatch cockpit with (partial) orders

- order and quotation request
- integration of consignment and external production warehouses
- supplier rating according to individually determined criteria

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**Cosmo Consult**
**Combinations**
Create every required combination of articles in the production process to optimise your production in a flexible manner using cc|print and packaging. The combined production and follow-up orders are generated automatically based on the original productions.

**cc|operation scheduler**
With cc|operation scheduler which is fully integrated in the industry solution, your production planning has a comprehensive tool to optimise the planning sequence. Regardless of whether the medium-term utilisation of all bottleneck resources shall be guaranteed or a rush order must be scheduled quickly, the add-on offers the appropriate functionalities.

**Services:**
- planning phases with different planning horizons
- machine change
- GANTT representation
- multi resource mode (MRM)
- progress representation through integrated
- production control
- definition of indicators
- availability check of preceding materials
- simulation of alternative scenarios

**Creating combinations through:**
- benefit distribution
- combination configurator with editing function
- automatic creation of preproduction and postproduction
cc|print and packaging
The ERP solution for the printing and packaging industry

FUNCTIONS & PROCESSES IN DETAIL

cc|operational data collection dynamics operations
Approved orders are displayed and logged including all production-relevant pieces of information on the operational data collection terminal per machine. The work in progress functionality (WIP) maps all production steps within one production order. Due to the feedback on goods volumes between the individual production steps, semi-finished goods (WIP) are automatically listed in the ERP in terms of volume and value. This allows for a transparent evaluation based on the cut-off date.

A selection of possibilities within the industry solution:
- logging of setup and processing steps
- volume and waste feedback
- failure logging including times and reasons
- material and tool assembly (e.g. cylinders, printing plates)
- labelling of semi-finished and finished goods
- feedback on actual times incl. indirect processes
- approval procedure for logged times

Production control and tool management
The application of specific functionalities supports the production of forms and packaging materials. The integration of external resources takes place in line with process control.

The management of tools and machines and the integration of maintenance in the solution increase the reliability of your production.

Functions supporting this are among others:
- print product or packaging-specific consumption calculation
- flexible volume and time calculation including waste determination
- multi-level production mapping for display production
- external production cockpit
- product management and stock keeping through an individual product class
- tools management with product management and stock keeping
- applications engineering and maintenance scheduling
- recurring maintenance
- maintenance orders
cc|bi for dynamics operations

cc|bi for dynamics operations adds “business intelligence” in the truest sense of the word to the operative, process-related functions of our range of services. Our approach ensures a complete overview of production-relevant information such as machine utilisation, setup and processing times, process and setup waste, scrap, etc.

As a valuable basis for decision-making for the optimisation of production efficiency and thus the reduction of production costs, cc|bi for dynamics operations provides:

- interactive visualisation
- monitoring
- predictive maintenance
cc|print and packaging
The ERP solution for the printing and packaging industry
OUR VISION FOR THE FUTURE

Big data, machine learning
ERP systems already form the backbone of many companies. By integrating central operative core processes, they provide a real treasure of historic information and data.

Which machines or equipment require maintenance in the near future? Which machines have increased idle times? What are the reasons for that? The data of modern ERP systems provide the answers to these and many other questions. Using machine learning, COSMO CONSULT is already working towards recognising correlations in the data and thus supporting business decisions.

Business intelligence
ERP systems contain a multitude of different data. However, it is often difficult to keep track of all that and to extract the currently most important information.

COSMO CONSULT uses business intelligence for the ideal preparation of operationally relevant data. By using intuitive tools, they also become accessible to users with little experience. This leads to better decisions at all organisational levels.

Web and multi-device
In the past, ERP applications were limited to desktop workstations in office buildings. Today, mobile devices such as smartphones and tablets have found their way into working life. Being able to access information anywhere and at any time is becoming more and more important in our mobile world.

COSMO CONSULT is already working with integrated, device-independent mobile solutions towards providing the right information at the right time — no matter where you are.

The power of the cloud
Many print and packaging companies are faced with questions of IT and house increasingly growing IT-departments. This removes important resources from the actual core processes. But what is the alternative?

COSMO CONSULT is already working towards enriching IT processes by using the cloud. Outsourcing individual components of the IT infrastructure increases flexibility and helps saving resources and costs—without losing control of your own data.
cc|print and packaging
The ERP solution for the printing and packaging industry
OUR PARTNERS – EXCELLENT INTERNATIONAL NETWORK

COSMO CONSULT is your competent partner all across the globe. Due to COSMO CONSULT’s excellent international network, we are able to provide ideal assistance to customers all over the world.

AXPACT World Alliance
COSMO CONSULT is a member of AxPact World Alliance, the network of the internationally most highly proven and respected Microsoft Dynamics 365 for Finance and Operations partners. This constitutes a real added value in particular in international projects. COSMO CONSULT even has a leading role in the management committee of this alliance.

Microsoft Partner Network
COSMO CONSULT is also a highly esteemed member of the international Microsoft partner network boasting gold competency status in five disciplines.

Global networking
Our excellent and growing network of partner companies with whom COSMO CONSULT cooperates in international projects is essential for the company’s international success.
cc|print and packaging
The ERP solution for the printing and packaging industry

HIGHEST-QUALITY INDUSTRY STANDARD

Certified for Microsoft Dynamics (CfMD)
cc|print and packaging is certified for Microsoft Dynamics 365 for Finance and Operations. The CfMD certificate represents the highest accolade Microsoft awards for partner solutions. It officially confirms that cc|print and packaging meets the standards and principles for the integration into Microsoft Dynamics 365 for Finance and Operations.

Within the framework of this certification, COSMO CONSULT’s industry solution was carefully analysed, scrutinised according to strict regulations and surveyed by the independent international auditing institute Lionbridge Technologies Inc. The results achieved confirm the high quality of cc|print and packaging.

Microsoft Competencies
COSMO CONSULT has been awarded coveted Microsoft gold competencies in the following disciplines: ERP, CRM, Collaboration and Content, Data Analytics and Server Platform.

COSMO CONSULT meets Microsoft’s requirements in each of these disciplines and employs Microsoft-certified employees, whose technical know-how is tailored to the requirements of the customers.

Microsoft Cloud Service Provider Partner
COSMO CONSULT is an innovative pioneer and one of the first Microsoft cloud service provider partners in Austria. This Microsoft competence offers countless advantages, such as customized services and support opportunities with simplified billing scenarios of services for our customers.
OUR PROMISE. OUR AMBITION.

In our solutions, we use state-of-the-art technologies and proven standard products by Microsoft, which we optimise according to your specific requirements. This way, we create solutions tailored to your individual requirements and thus maximise the benefit for you.

Our tailored solutions provide you with reliability! The reliability that “your” solution, on the one hand, fits perfectly and, on the other hand, is used profitably. By streamlining your company processes you lastingly reduce your costs. Your success can grow sustainably!

cc|print and packaging is sure to also help your company streamline processes and thus create more value. Please arrange a non-binding consultation and let us find out together.

Contact us to make an appointment!

"WE UNDERSTAND HOW YOU WORK AND THEREFORE DELIVER MORE VALUE FOR YOUR COMPANY, SO THAT YOU MASTER EVEN THE MOST COMPLEX BUSINESS TASKS AND MAKE BETTER DECISIONS MORE QUICKLY!"

DIETMAR WINTERLEITNER
General Manager, COSMO CONSULT SI GMBH, AUSTRIA