COSMO Automotive

Industry Solution based on Microsoft Dynamics 365 Business Central

COSMO Automotive is an industry solution for suppliers, particularly in the automotive industry. The software enhances the performance of the Microsoft Dynamics 365 Business Central Business Central on-premises ERP system through digital document exchange functions in vertical supply chains.

COSMO Automotive is specially tailored to the specific challenges of the supply industry. The software ensures therefore more efficient order processing, more granular production control as well as maximum transparency in planning and calculations. At the same time, COSMO Automotive supports interdepartmental cooperation, especially in the areas of design and development.

Clearly structured, optimized workflows and highly automated convenience functions that take the burden off your employees. User acceptance and the high economic value to your business are therefore a given. These are the best prerequisites for high competitiveness, transparent processes and sustainable customer satisfaction.

Direct line to the automotive industry

Some of the most important tasks of COSMO Automotive are to process call-offs, send delivery notes and create transport labels; and all in a gapless, integrated process. This ensures that all business transactions are handled in Dynamics 365 Business Central strictly in accordance with OEM (Original Equipment Manufacturer) specifications—for purchasing, sales and logistics.

And another handy feature for suppliers in the automotive industry: The plants and unloading points of major manufacturers such as Daimler, Volkswagen, BMW, Porsche, Opel or PSA can be set up directly in COSMO Automotive.
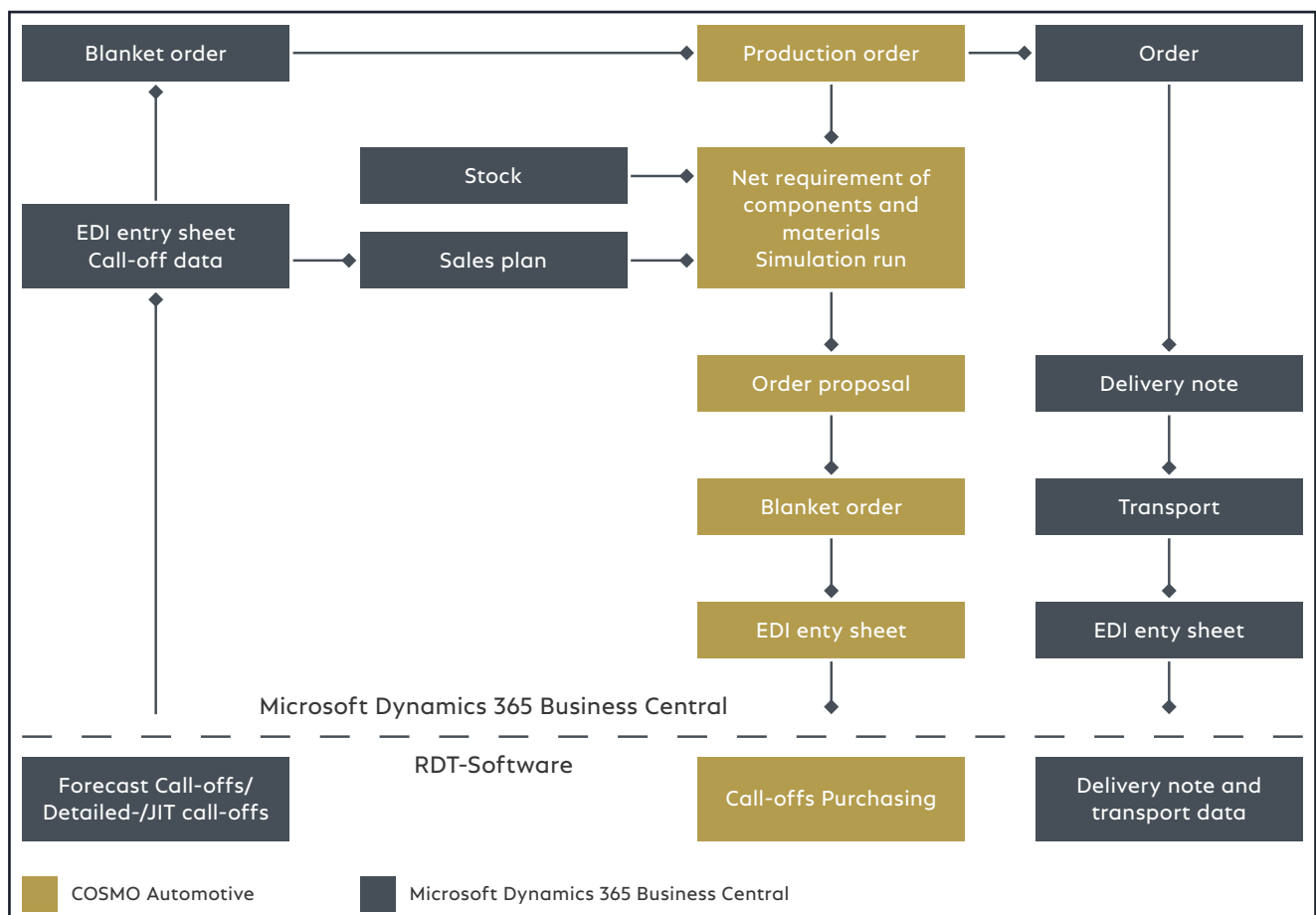
EDI Data Flow in Microsoft Dynamics 365 Business Central

Converter on board

With the two seamlessly integrated products **COSMO Automotive** and **COSMO EDI** you can automatically process call-offs, such as incoming delivery schedules or outgoing delivery notes. The integrated converter supports common data formats such as VDA, ODETTE, SAP-IDOC, XML, PHOENIX, TRADACOM or ANSI X12.This eliminates the need for additional external converters, such as those offered by Seeburger, Crossgate or stratEDI.

Conversion directly in the ERP system

One of the many advantages of the integrated converter is that customer formats in accordance with VDA and Odette can be generated and read into Dynamics 365 Business Central directly. Thanks to the extensive library for VDA and Odette, you can quickly and easily integrate European customers. All you need is an additional communication software for data transfer. Existing converters can also be easily integrated. An import dialog first reads in the new data. The information for each time of processing is then saved and stored in the archive directory.
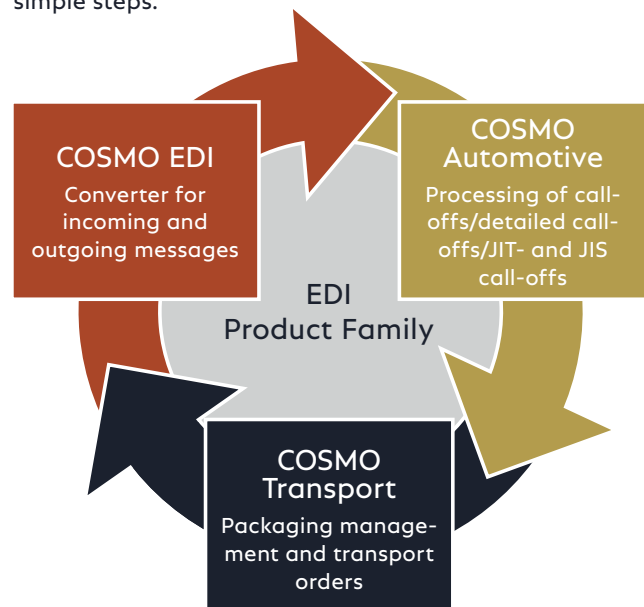
High functionality

In addition to basic functions such as

· processing incoming and outgoing call-offs
· calculating quantities in transit
· integrated error management
· the many evaluation options or
· quantity comparison calculations

COSMO Automotive also covers detailed requirements. These include VDA versions 3a and 3b, AMES-T from VW, BeloM from BMW and the connection of self-managed supplier logistics centers (eLLZ).

With the integrated **COSMO Transport** product, goods deliveries can be summarized in transport orders. The quantity and hierarchy of the required packaging materials is automatically calculated, independently of whether it relates to general or customer-specific specifications. You can print standardized VDA or ODETTE transport labels as well as standardized VDA dispatching orders and accompanying documents. Even electronic dispatch advice (DESADV) requires only a few simple steps.

COSMO EDI
Converter for incoming and outgoing messages

COSMO Automotive
Processing of call-offs/detailed call-offs/JIT- and JIS call-offs

EDI Product Family

COSMO Transport
Packaging management and transport orders

Order processing
VDA record types included

COSMO Automotive already supports the following output types for order processing of supplier articles by default:

· Transport labels
· Call-offs
· Invoice export
· Credit note procedure
· Accompanying documents
· Delivery note
· Detailed call-off
· JIT/JIS call-off
· Dispatch order

Efficient processing of call-offs

A central, unified processing dialog is available for processing incoming and outgoing data. Since the entire process runs almost fully automatically, your employees can sit back and relax. All that remains is the monitoring of individual processes. This is particularly convenient with **COSMO Automotive**, because the call-offs are automatically associated with:

· the respective EDI partners,
· the blanket orders,
· the error and warning management system, and
· the quantity comparisons

This transparency lets your employees determine quickly and confidently whether a call-off should be approved or rejected. While approved orders can then be scheduled, Dynamics 365 Business Central prints the corresponding objection note automatically for any rejected call-offs.

For new articles or contracts, the corresponding blanket orders can be created automatically using the call-off data.Since your employees only have to check the data, they are relieved of any time-consuming manual activities. In addition to forecast data, **COSMO Automotive** also takes over detailed call-off and JIT/JIS information automatically. This allows you to conveniently process high document volumes within a very short time.

Statistics, evaluations and historical time-series comparisons allow you to keep an eye on the call-off volume at all times. You can compare forecasts and detailed call-offs or current quantity fluctuations with the results from previous periods. This allows you to draw the right conclusions from current events.

No stress with transport orders

In addition to standard transactions, **COSMO Automotive** also provides a comprehensive transport request. Several delivery notes, orders or stock transfers can be assigned to it. This saves a lot of work, especially during dispatch, because it allows packaging materials calculations and the printing of transport labels and accompanying documents to be combined in one step for several processes.

EDI-DELIVERY NOTE			SHIPEMNT-NO:	00000000			14.11.14
							Page 1

Supplier -Plant: 000 / -NO:
CRONUS AG
Hofstraße 12
DE 20097 Hamburg

SHIP TO -PLANT: 50 / -NO: 10000
Möbel-Meller KG
Tischlerstr. 4-10
48436 Düsseldorf

UNLOADING 480T
LOCATION:
CONSUMPTION
SHIPPING TYPE: Ship
SHIPPING AGENT: DHL
-NUMBER: UNKNWON
SHIP-WEIGHT 50,97

LS_NR -DATE -POS	ARTICLE NO ARTICLE NO PACKAGE -QTY	lbl_Quantity -NUMBER	Unit of	EDI Usage Key	DESCRIPTION OF SHIPMENT ADDITIONAL DATA VENDOR FILLING QTY -NUMBER VENDOR	ORDER-NO NET WEIGHT
102001 22.01.15 1968-S P:	2	2 - 3214	Piece	X	MEXICO Swivel Chair, black 1 3214	31,98
102001 22.01.15 1996-S		3	Piece		ATLANTA Whiteboard, base	
102002		1	Piece		MEXICO Swivel Chair, black	

Accompanying documents

Convenient calculation of packaging materials

Articles are packaged and delivered using a multi-tiered packaging hierarchy—or simply with a sorted alternate container. The goods are sent by a hauler or courier. One or more packaging methods can be stored for each customer and article. These can in turn be assigned to a carrier medium, for example a pallet.

Additional packaging materials such as pallet lids or intermediate base layers can also be managed and calculated automatically. Although these protect the goods shipment, they do not appear in the EDI transmission. The standard packaging method proposed by the system can be changed manually in the blanket order. This allows you, for example, to store special types of packaging. The packaging material calculation proposal specifies an optimized loading strategy, depending on the delivery method defined for each unloading point. Factors such as pallets, weight, transport label layout, filling quantity or container loading are taken into account.

In addition, system parameters such as "Fill top pallet level with empty SLCs" or "Fill only four corner points with SLCs on top pallet level" can be specified.

VDA transport labels are generated fully automatically based on the packaging information. As in the calculation of packaging materials, **COSMO Automotive** takes VDA-specific variants into account when printing transport labels. Optionally, the packaging materials can also be ordered based on stock.

COSMO Automotive prints the packaging data on the delivery note. Depending on the customer and the respective plant, delivery, invoice and transport data are sent via data transmission. To generate the transport data, the software uses the information from the transport request. In this way, truck data or the delivery method can be automatically added to delivery notes or stock transfer orders, for example.

Deliveries to eLLZ

Contrary to the "just in time" philosophy, large manufacturers such as VW can be supplied via an asynchronous supplier logistics center. This type of VDA-compliant delivery can also be handled efficiently with

COSMO Automotive. The process is standardized and harmoniously integrated into the delivery and production processes.

Flexible transmission of invoice data

Already delivered quantities can be billed to the automobile manufacturers or their suppliers using the VDA 4906 specifications, both on paper or electronically.

The automated transmission is documented by **COSMO Automotive** in the invoice list.

Processing credit notes quickly

Credit notes are initiated by OEMs via data transfer. This is based on a sales invoice associated with the blanket order. The usual procedures in accounts receivable accounting, open item management and the subsequent clearing of incoming payments do not change.

Label example

Structured procurement process

Similar to blanket sales orders, **COSMO Automotive** works with purchase orders and blanket orders in purchasing. The data contained therein is transmitted to the suppliers as forecasts or call-off information. The conditions of a supplier or for a specific part can be defined in advance. Communication with suppliers can take place on paper or via EDI. For electronic processes, the converter integrated into **COSMO Automotive** transmits the data to the respective supplier. Since **COSMO Automotive** logs all transactions, all processes can be traced at any time. The entered purchase order lines will increase the available article stock by the ordered quantity on the expected delivery date.

Reports

COSMO Automotive comes with extensive data analysis reports. These include:

- Article Analysis Forecast, Calls, Delivered Quantities
- EDI Article Usage in Purchase Orders
- EDI Article Overview Release Quantities
- EDI call-off history analysis
- EDI DELFOR
- EDI DELJIT

The evaluations provide you with a quick overview of the current stock and delivery situation. They can either be printed or displayed on screen. With the Dynamics 365 Business Central report designer, you can adapt the reports to the individual needs of your company.

EDI Call Analyse / DELFOR

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Blütenhaus GmbH 20000		010		Label20	25.02.2014
Ferdinands Höh 5		Label14	245U	Label24	66
80997 München				Label27	5500028415
				Our BlanketOrd	1008
VendorNo.		Blütenhaus GmbH		Label31	
CRONUS AG		Gr. Bergstr. 55		Key Accounter	
Hofstraße 12µ€§§%&Ää				Customer Item	PA218628021
20097Hamburg		Dortmund 43383		Item No.	1110

Date filter type   all
End date

Date from	Date to	Quantity old	Quantity new	Shipped Quantit	Difference	Call Positions
		0,00	0,00	39.675,00	39.675,00	Quantity shipped
03.03.2014		0,00	0,00	0,00	0,00	Call
10.03.2014		0,00	5.600,00	0,00	5.600,00	Call
17.03.2014		0,00	5.400,00	0,00	5.400,00	Call
24.03.2014		0,00	6.200,00	0,00	6.200,00	Call
31.03.2014		0,00	4.400,00	0,00	4.400,00	Call
07.04.2014		0,00	5.400,00	0,00	5.400,00	Call

Call-off analysis

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Mexico · Panama · Peru · Romania · Spain · Sweden · Switzerland

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