Folding Carton Samadhan ERP

Microsoft Dynamics 365 Business Central

A proven solution for your business

Solution Overview

Customer Profile
A folding carton manufacturer with automated or semi-automated facilities.

Business Situation
A typical unit uses disparate software solutions to manage its information infrastructure. It has expansion plans in the pipeline, to meet the demands for a much better product and services coupled with pressure on prices.

The units struggle to cope with ever increasing demand of systematic working. The senior management wears many hats, has a hectic routine of long hours every day and finds profits difficult to come by.

Integrated information in a robust international platform is a crying need. Scalability, usability, technology upgrade path and most importantly prior understanding of the folding carton business is identified as some of the parameters for identifying a suitable platform and an appropriate implementation partner.

Solution
A specialized integrated software solution created for folding carton manufacturers, on a world class business suite, Microsoft Dynamics 365 BC addresses the unique needs of a typical company. It gives full control on the operations from the time they get an enquiry to getting a satisfied and happy customer.

While the software is used for the day to day working, Microsoft Dynamics 365 BC as a reliable and integrated framework manages the inventory, purchase, sales, customer relationships and collectable control.

The natural integration of the solution with Microsoft Office which includes Microsoft Excel and Microsoft Outlook (the communication interface) helps the organization in leveraging the information in the integrated solution in multiple ways.

Add on components like Human Resources and Payroll, Advanced Production Planning, Microsoft Dynamics CRM, Plant Maintenance are added to address the complete needs of a growing organization.

Totally integrated, scalable and reliable. Suited and crafted for medium businesses and maintainable.

Partial list of features

- Product Design Interface (PDI)
- Integrated procurement planning
- Role tailored dashboards
- Pre-sales costing
- Delivery scheduling & Dispatch management
- Sheet paper management
- Reel to sheet conversion
- Waste & scrap management
- Process with work in progress status
- Ink kitchen management and Ink consumption module
- Paper wastage management
- Drawings and documents in the solution
- Plate and die management
- Quality parameters flow through the entire solution
- Profitability addressed squarely
- Load management of printing operations
- Post-dated cheque handling
- Auto Email & Notification
- Bar code/QR code
- Totally integrated, secure and stable
- Available on rented or on-premise mode

Our platform partners

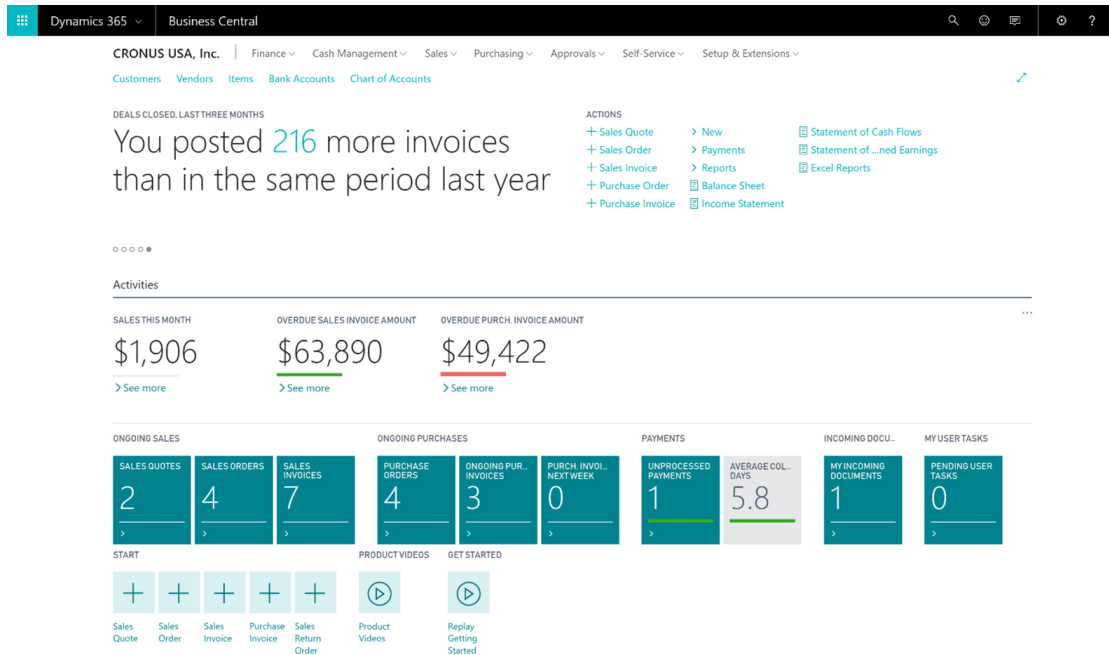**PEBBLESTONE fashion**   **NETRONIC**   **Microsoft Dynamics 365 Business Central**

Cover the entire operations with one integrated solution

All activities happen through the solution and hence all controls are enforced in real time, complete information is used in real time and after the activities all areas of this solution are impacted in real-time.

Integrated procurement management

Purchase order and receipts

Sheet paper management

Bar-code

Quality control

Production planning

Roll management

Die and plate management

Plant maintenance

Quote

Order

Bundling/Packaging

Dispatch

Invoicing

Certificate of analysis

Collectable management

Profitability from all angles

Compliance

Proactive action pointers and dashboards in role-tailored user interface

As soon as a user logs in, he is taken to a user interface with matter relating to his specific role in the organization neatly arranged in dashboards and action pointers. As soon as he logs into the system he gets working and in light of real time information. One click on the action pointers or the dashboard takes the user inside and helps him get a 360 degree view of the subject at hand.

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Product Design Interface (PDI)

Intuitive interface with all current information helps you design a carton which will meet customer's requirement and also address your profit expectations. Through the carton model we can do the calculation of sheet paper requirement.

Freight and packing cost provides a guideline to dispatch

This is done separately while we are creating the PDI, and helps us do the dispatch in informed manner. If the freight is included then we can measure actual freight cost vs estimated cost.

Intelligent Production Planning

A folding carton production takes maximum time in printing, thus production efficiency is highly dependent on printing machine load management or the printing machine allocation. In our system, a separate load sheet management for printing machine is designed. Our solution presents data in the way you require to make intelligent data based decisions.

Orders Pending for Printing

Creation Date	No.	Descript...	Order Qty.(Sht)	Order Date	Promised Del. Date	Exptd. Print. Date	Pland. Print...	Est. Print. Hrs.	Pland. Print. Hrs.	Firm Pland.	Pland. Print. M/C	Print. Oper. Name	Front Online...	Back Online...	Pre-Press Status	C... N...	Last Job No.	Printing Status
5/25/2018	FC/000756	CLARIS P...	2200	5/23/2018	5/31/2018	5/26/2018	7/15/2018	1	0	☐	HEIDELBERG 3 UV	PRINT UV ...			New ArtWork	C...		
6/7/2018	FC/000931-1	BLACK&...	10350		6/15/2018	6/8/2018	7/22/2018	2	2	☐	HEIDELBERG 3 CV	PRINT CO...	PRIMER STD		New ArtWork			
6/7/2018	FC/000933-1	BLACK&...	6750		6/15/2018	6/8/2018	7/22/2018	2	2	☐	HEIDELBERG 3 CV	PRINT CO...	PRIMER STD		New ArtWork			
5/1/2018	FC/000421	AMUL G...	10600	4/25/2018	5/10/2018	5/3/2018	7/26/2018	2	2	☐	HEIDELBERG 2 CV	PRINT CO...			New ArtWork	A...		

Total Sheets

1,208,322.00

Prod. Order Routing

Mark Complete Mark Part-Complete Force Stop M/C Filter Clear Filter

S. No.	WC Description	JCQty	Act. Output Qty.	Scrap Qty.	Suspense Qty.	Prev. Op. WIP Qty.	Die Cut Ups	Routing Status	Last Updatio...	Last Updatio...	La By
1	CUTTING-PREPRINT	2,200.00	2,200.00	0.00	0.00	0.00	12	Complete	5/28/2018	10:52:32 AM	CA
2	CTP FRONT PLATE MAKING	5.00	5.00	0.00	0.00	2,200.00	1	Complete	6/1/2018	8:59:45 AM	CA
3	PRINT UV BOARD	2,200.00	0.00	0.00	0.00	2,200.00	12				
4	DIECUTTING STD MONO	2,200.00	0.00	0.00	0.00	0.00	12				
5	F&G OFF CARTON (SMALL)	26,400.00	0.00	0.00	0.00	0.00	1				
6	QCPC	26,400.00	0.00	0.00	0.00	0.00	1	Complete			

Load Sheet

Machine	Name	08/13/18	08/14/18	08/15/18	08/16/18	08/17/18	08/18/18	08/19/18	08/20/18	08/21/18	08/22/18	08/23/18	08/24/18
MC0001	HEIDELBERG 1 CV												
MC0002	HEIDELBERG 1 UV	13.00	20.00		15.00								5.00
MC0003	HEIDELBERG 2 CV	7.00	17.00		19.00	16.00	5.00	11.00	2.00	5.00	8.00		5.00
MC0004	HEIDELBERG 3 CV												
MC0005	HEIDELBERG 3 UV	15.00	19.00	2.00	19.00	14.00	12.00	11.00	2.00				
MC0031	SCREEN PRINT SAKURAI												

Load Sheet Details

Job No.	JC Name	Ord. Qty(Sht)	Online Coating Type	Prom. Del. Date	Despatch Date	No. of Days End-End	Exptd. Print. Date	Pland. Print. Date	Est. Print. Hrs.	Pland. Print Hrs.	M/C Code	M/C Name	Job Qty
FC/001817	DAZZ...	40752	GLOSS UV STD	8/8/2018	8/7/2018	8D	7/30/2018	8/13/2018	7.00	7.00	MC0002	HEIDELBERG 1 UV	163,008.00
FC/001965	DAZZ...	44584	GLOSS UV STD	8/16/2018	8/15/2018	8D	8/7/2018	8/13/2018	6.00	6.00	MC0002	HEIDELBERG 1 UV	178,336.00

SAMADHAN
Integration, for simplified business insights.

Quality can be enabled all across the system

A separate module for bundle wise quality check and packing check is designed. In another hand, Incoming sheet paper quality, in process quality of the WIP or that which relates to the finished good can all be quality enabled. This means that you have a choice to use any material only after it is quality cleared.

TEXSPIN (93X93X75)+(84X38X84)+(77X77X77)+(110X50X110) CRTN

General

Posting Date	Order No.	Creation Date	Prod. Qty.	Scrap Qty.	Rem. Qty.	Bundle on Hold	JC Wt./PCS
	FC/000483	5/17/2018	40,960	0.00	1,010.00	0.00 ...	0.049

Document No.	Description	Creation Time	Passed Qty.	Qty. on Hold	CFC on Hold	PDI Wt./PCS	Cons. Wt./PCS
M35/000170	TEXSPIN (93X93X75)+(84X3...	10:48:22 AM	39,950.00 ...	0.00	0.00 ...	0.049	0.000

QCPC Details

Bundle Lot No.	No. of CFC	Bundle/CFC	Qty/ Bundle	Packing Details	Total Quantity	Pending CFC for QCPC	No. of CFC to pass	No. of CFC to Hold	L(mm)	W(mm)	H(mm)
BUN/001265	29.00	1.00	350.00	29 x 1 x 350 = 10,150	10,150.00	1.00	0.00	0.00	0.00	0.00	0.00
BUN/001266	1.00	1.00	120.00	1 x 1 x 120 = 120	120.00	1.00	0.00	0.00	0.00	0.00	0.00
BUN/001267	1.00	1.00	350.00	1 x 1 x 350 = 350	350.00	1.00	0.00	0.00	0.00	0.00	0.00
BUN/001268	1.00	1.00	190.00	1 x 1 x 190 = 190	190.00	1.00	0.00	0.00	0.00	0.00	0.00

FG Quality

Filter   Clear Filter

Character Code	Description	Customer Spec	Critical Value	Observation 1 (Num)	Sequen... No

Vehicle management in dispatch

This specific area has important features which helps us track the vehicle weight capacity, vehicle CFT (Cubic FT) vs utilization, Loading and unloading charge management, customer returns booking with vehicle return.

Trip Plan

Trip No.	TRIP-2022-01898
Trip Date	5/9/2022
Trip Plan Creation Time	1:12:48 PM
Zone	APAPA
Vehicle Reg. No.	AGL640XT
Driver Code	AGL640XT
Driver Name	CUSTOMER TRUCK
Trip Plan Creation Date	5/9/2022 1:13 PM
Bay No.	
Short Closed	
Short Close Remarks	

Load Details

CFT Capacity	3,024.00
Required CFT	30.240
Trip Plan Utilization %	1.00
Vehicle Loading Utilization %	0.00
Status	Confirmed

Plates and dies management

Each job has a plate or die which is needed in good shape and in time for the job to be completed. The solution helps you manage their lifecycle so that work does not stop and it is of good quality. This includes buying them, keeping a track of the impressions for which they have been used and also storage and retrieval of artwork and knife lay out designs into the system.

Statutory reports and VAT / GST ready solution

Compliance is easy as all reports are automatically created as the transactions are held in the organization.
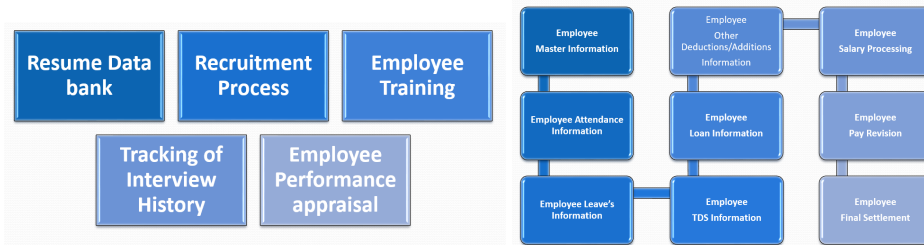

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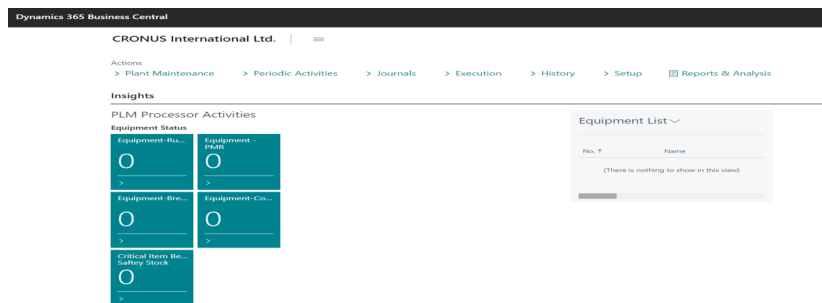
Add-on solutions available (optional)

Human resource and payroll

Recruitment, training, appraisal and the full compensation management solution is available as a plugin.

Resume Data bank	Recruitment Process	Employee Training
Tracking of Interview History	Employee Performance appraisal	

Employee Master Information	Employee Other Deductions/Additions Information	Employee Salary Processing
Employee Attendance Information	Employee Loan Information	Employee Pay Revision
Employee Leave's Information	Employee TDS Information	Employee Final Settlement

Plant maintenance

Equipment at the plant need maintenance. Some machines are on a maintenance contract with vendors while some will need to be maintained by in-house teams. There will be preventive maintenance schedules and routines and there will also be machine breakdowns and extended repairs. Spare will need to be maintained and the maintenance add-on addresses all that.

Advanced production planning and scheduling built in to the solution (optional)

The visual drag and drop feature brings all constraints on the desktop and assists the planner in addressing the scheduling more effectively. The delivery timelines are met and the capacity utilization is also improved.

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Actions
> Plant Maintenance   > Periodic Activities   > Journals   > Execution   > History   > Setup   Reports & Analysis

Insights

PLM Processor Activities

Equipment Status

Equipment-Ru...	Equipment - PMR
Equipment-Bre...	Equipment-Co...
Critical Item Be... Saftey Stock	

Equipment List

No. ↑   Name

(There is nothing to show in this view)

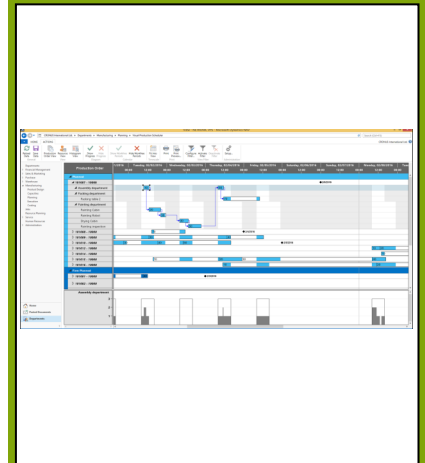### Visual drag and drop advanced planning and scheduling

This add -on works to give a graphical presentation of complex data residing in Microsoft Dynamics 365 BC, a world class ERP framework.

Every one associated with a manufacturing organization focused on meeting customer requirements loves an easy but powerful graphical display of all associated data in ERP. It is true for the production planner, the top management, sales force and also the supply chain manager.

Agni link CAD/PLM connector for Microsoft Dynamics 365 BC

If there is a CAD/PLM solution which needs to talk to Folding Carton Samadhan ERP, Agni Link is the bridge. This means that while design is being made in a CAD environment, ERP data helps the designer with inventory and machine look ups. The ERP user can at the same time access the design details in the CAD environment.

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Our customers are counting the benefits, so can you.

Payback in less than a year
"The solution has helped us produce more from the same plant with all overheads same. The contributions from additional production can pay back the total investment in ERP in less than a year."

Debtors turnaround impacted favorably
"It is not that we did not know who owed us how much and when, we did and were working on it aggressively. But after the ERP came in we found a number of pleasant surprises in this area. Our disputed invoices reduced because we were complying with all requirements of the customer as a design now. The mistakes in invoices were completely eliminated and we were able to link all related aspects of the transactions with ease and enter into any discussion with our customer very confidently. Net to net our number of days of outstanding came down."

Guarantee delivery reliability
"The system helps us address all related aspects in unified manner and hence our delivery schedule compliance has improved significantly."

Dramatic reduction in the need for direct supervision
"The solution helps us delegate effectively. Hence the entrepreneurial resources is used at appropriate place rather than getting used in running after the mundane aspects of business."

Ability to respond to sudden demands of customers has improved
"This has helped us gain few more coveted customers and also retain our existing customers. They love it when we are able to help them out in crisis."

With ERP in place they can add more units
One of our customers now feels confident to add more folding carton units in the same or different geography.

Remote connectivity improves work turnaround
The software can be accessed from anywhere using internet. This means that all the sites can use internet to update work progress daily and the travelling executives and sales persons can have a ready access to the data needed by them to conduct the business effectively.

The enormous experience of Samadhan is a great help
Samadhan is one of the most experienced Microsoft Dynamics 365 BC partners in India. With over 75+ ERP implementations, we not only know Microsoft Dynamics 365 BC in and out, we are also aware of the nuances of a number of industries. The consulting as well the product knowledge is immense and will be very useful.

Allied business can also be mapped to Microsoft Dynamics 365 BC
We have so far mapped folding cartons, commercial printing, paper bag, Flexible Packagingpackaging BOPP products, thermocol and bubble packing also for our customers.

"Our solution addresses the concerns of packaging industry"

Capacity utilization
Everything remaining same your plant gives extra production every day The contribution of the extra production, adds to your bottom line directly.

Measure and control leakage and wastage
Presales costing is the starting point. Given the price of the product, how to produce the box economically with minimal wastage is next.

Managing collectable
Folding Carton Samadhan helps you by giving a 360 degree view of all that is responsible for collectables getting delayed.

Keeping an eye on small things made easy
Role specific dashboards, automatic alerts and notifications and reference to every small detail is now possible.

Customer satisfaction made easy
Meeting customer requirement is possible by recording them accurately and making sure they are met. Customer Complaint module helps improve relationships and also bring out internal changes.

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Microsoft Dynamics

Microsoft Dynamics is a line of integrated, adaptable business management solutions that enables you and your people to make business decisions with greater confidence. Microsoft Dynamics works like familiar Microsoft software such as Microsoft Office, which means less of a learning curve for your people, so they can get up and running quickly and focus on what's most important. And because it is from Microsoft, it easily works with the systems that your company already has implemented. By automating and streamlining financial, customer relationship, and supply chain processes, Microsoft Dynamics brings together people, processes, and technologies, increasing the productivity and effectiveness of your business, and helping you drive business success. For more information about Microsoft Dynamics, go to: www.microsoft.com/dynamics

System requirement for Folding Carton Samadhan ERP on 365 BC

The solution works on a Microsoft environment. A domain structure on Windows Server 2019 and Microsoft SQL server 2016 onwards is required on a hardware server with 2 Core processor and 16 GB RAM.

The solution works on a online mode and can connect multiple locations with one single solution using the secure internet connections.

The user interface can be through a rich client, any browser. Mobile device or tablet with any operating system can connect with the solution using universal app available for iOS, Windows or Android systems.

The solution is cloud ready

You have an option to use the cloud to the extent you like. You can buy perpetual software licenses and deploy it using Windows Azure or any other cloud service provider. Options to take a Windows Azure with licensing on a rented mode are also available. The cloud option can address manageability of the server and solution to a great extent. It can also lower the entry level investment required and the expenses can be charged to the revenue account.

About Samadhan

Samadhan is a Microsoft Partner with gold competency in ERP, specializing in ERP implementation, and has expertise in providing state-of-the-art and innovative InfoTech solutions for manufacturing, leather and garment exports, auto ancillaries, sales and distributions, retail, printing presses and similar industries.

Samadhan has many customers in folding carton business and has taken over 20 man years to learn the specifics of the business, build it into Microsoft Dynamics 365 BC which has been already tested at multiple countries.

Apart from the folding carton industry, Samadhan has also worked in over 40 other industries. This gives us cross-industry business experience and immense ability to adapt Microsoft Dynamics 365 BC.

Samadhan was set-up in 1989 in India, it is a leading solution provider in India on Microsoft Dynamics and SAP.

The best time to implement Folding Carton Samadhan ERP in your company is NOW !

- Our solution is ready and cruising

- Work just as well for automated as well as the semi automated units

- Available on hosted model for a low entry level investment

- Works on any device

Contact Us

Give us a call for more information

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