

Application Areas

Stockroom

Fabrication and WIP

Assembly and WIP

Materials Handling

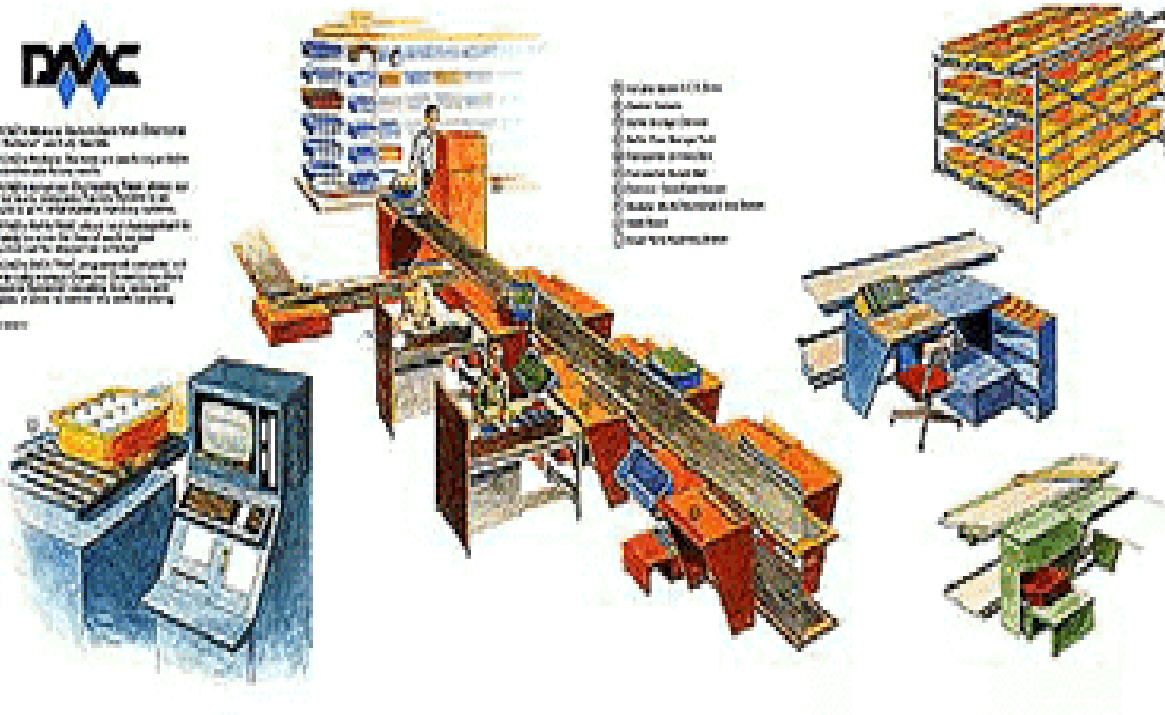
Plant wide, departmental and work station. Conceptual design, equipment specification, system development and implementation

Activity/Conveyor Type	Number Installations	Most Reputable Company	D/L Savings	Prominent Feature
ROI Analysis	37	Xerox	30%	Modular Phases
Paced Systems (Rotary, OH Mono, Slider Bed)	45	Warner	50%	Operator Performance Control
WIP Systems (Transporter)	32	Burroughs	25%	Barcode Tracking
Stockroom Systems (LSRS)	24	Union Switch	45%	I/E Robot



DMC's design philosophy is to provide a complete solution for your manufacturing needs. We provide complete engineering, design, construction and installation services for your plant. Our systems are designed to provide maximum productivity and efficiency. We provide a complete solution for your manufacturing needs. We provide a complete solution for your manufacturing needs.

© 1998 DMC



- Material Handling System
- Work Station
- Work Station Control
- Work Station Control
- Work Station Control
- Work Station Control
- Work Station Control
- Work Station Control
- Work Station Control
- Work Station Control

WIP TRANSPORTER SYSTEM

HORIZONTAL CAROUSEL (LSRS)

An automated storage and retrieval device consisting of a series of shelving sections (bins) mounted on a horizontal, closed-loop oval track. When activated, the bins rotate to bring requested items to the operator or automated picker.



Bottom Drive Carousel

Bottom drive carousels are horizontal carousels engineered for larger live loads and heavier duty cycles.



Twin Bin Carousel

Twin bin horizontal carousels are suited for small part picking applications requiring higher density, selectivity and throughput.



Top Drive Carousel

Top drive horizontal carousels are designed for standard and light duty applications.



Pallet Carousel

Pallet horizontal carousels store heavy-duty pallets for picking, buffering, and building split-pallet loads.

Labor Productivity

Gains up to 800% over the use of conventional shelving and racks are accomplished by eliminating wasted walk and search time.

Inventory Accuracy

By providing accurate and timely inventory data, both the inventory levels and shortages can be reduced dramatically

Space Reduction

The carousels recover lost floor space by achieving the same storage capacity in *30% less space* than with static shelving.

Fast Payback (ROI)

Increased efficiencies allow companies to *recover their investment within 12-18 months*.

High Throughput

Picking rates up to 500 lines per hour, per operator allow *a single worker* to be *as productive as eight workers* picking from static shelving.

Extended cut-off times

Orders can be prioritized by computer based on shipping times and thus increases the ability to *ship more orders in a day*.

Improved Service to your Customers

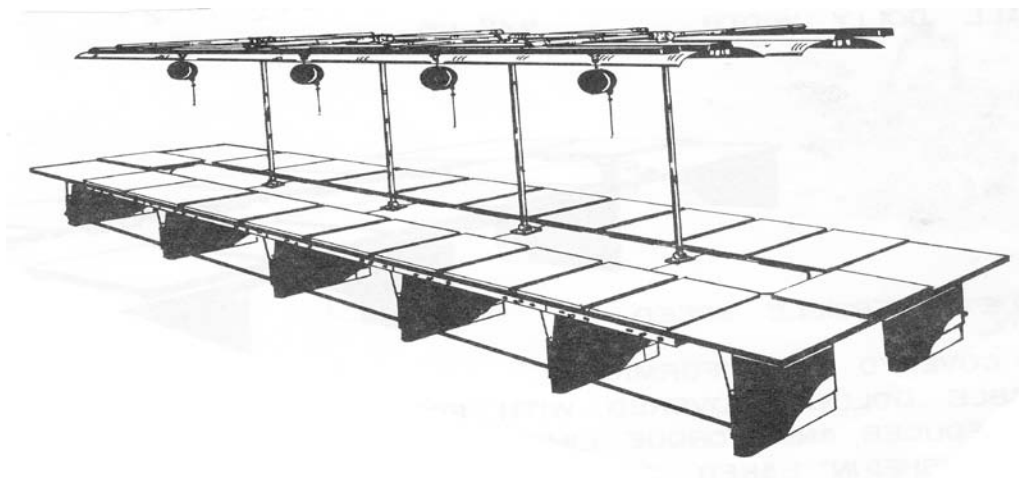
Integrating inventory control software, light directed picking, and bar code scanning *assures up to 99.9% accuracy*.

Equipment Reliability

Durable and well engineered, carousels *provide nearly 100% uptime*.



PACED OVERHEAD MONORAIL SYSTEM

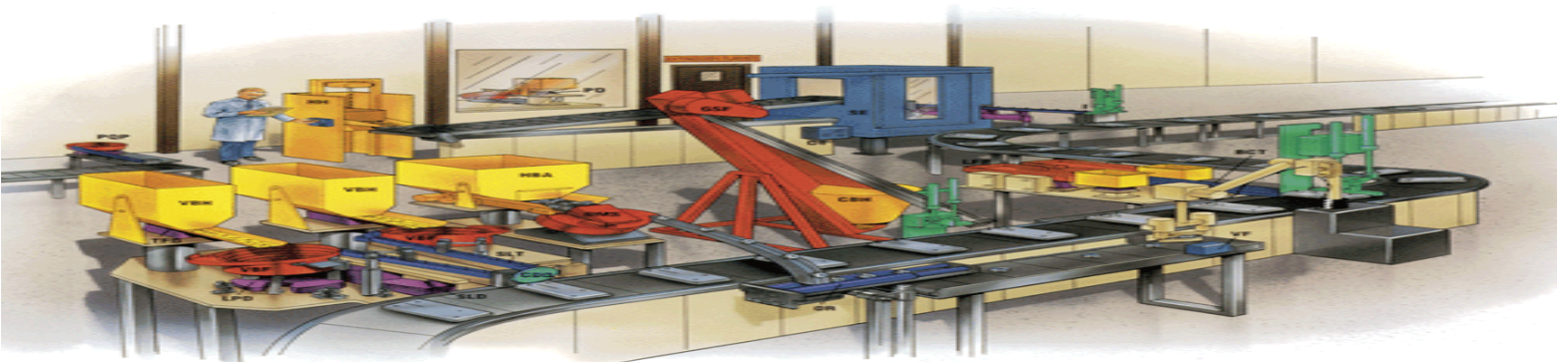


PACED RECTANGULAR ROTARY SYSTEM

Product Automation

Work station, conceptual design, system development and implementation

Activity/Conveyor Type	Number of Installations	Most Reputable Company	D/L Savings	Prominent Feature
Bulk Hopper Feed, Vibratory Bowl Part Positioning and Robotic Placement	15	ITI	50%	P/P Robot



PICK AND PLACE ROBOTIC WORK CELL



Direct Labor Control Systems

Development of unit cost expectation through time study, hourly accountability and shift output requirements.

Optimization of workflow, personnel and receipt of material

Activity/Conveyor Type	Number of Installations	Most Reputable Company	D/L Savings	Prominent Feature
Industrial Engineered Standards and Methods	50	Singer	15%	Unit Cost Reduction
Layout	41	Ballantine	10%	Capacity Increase
Short Interval Scheduling	32	Magnavox	10%	Shortages Corrected
Labor Reporting	8	TE Tech	5%	Scrap Identification
Staffing	38	DORMA	10%	Cross-Trained Operators
Just-In-Time	8	Melcor	10%	Inventory Reduction
Industrial Incentives	13	Graco	15%	Team Effort

