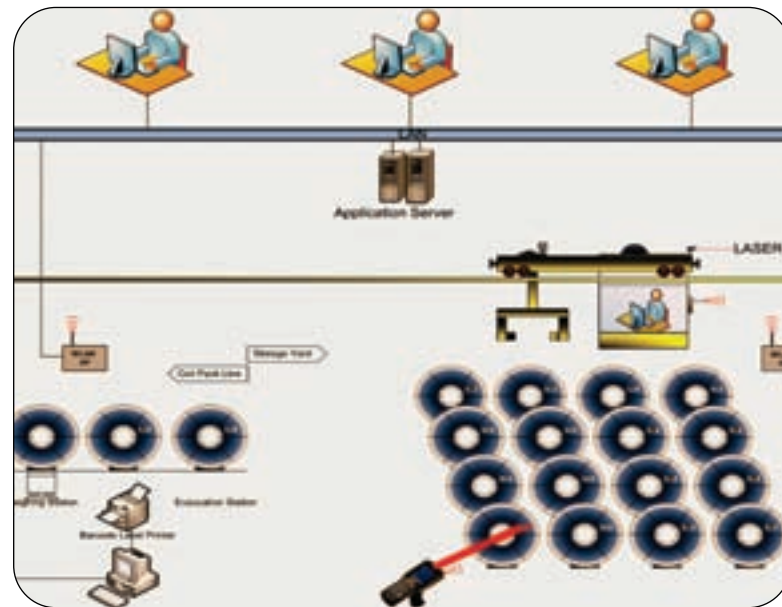


## Warehouse Solutions-YMS (Yard Management System)



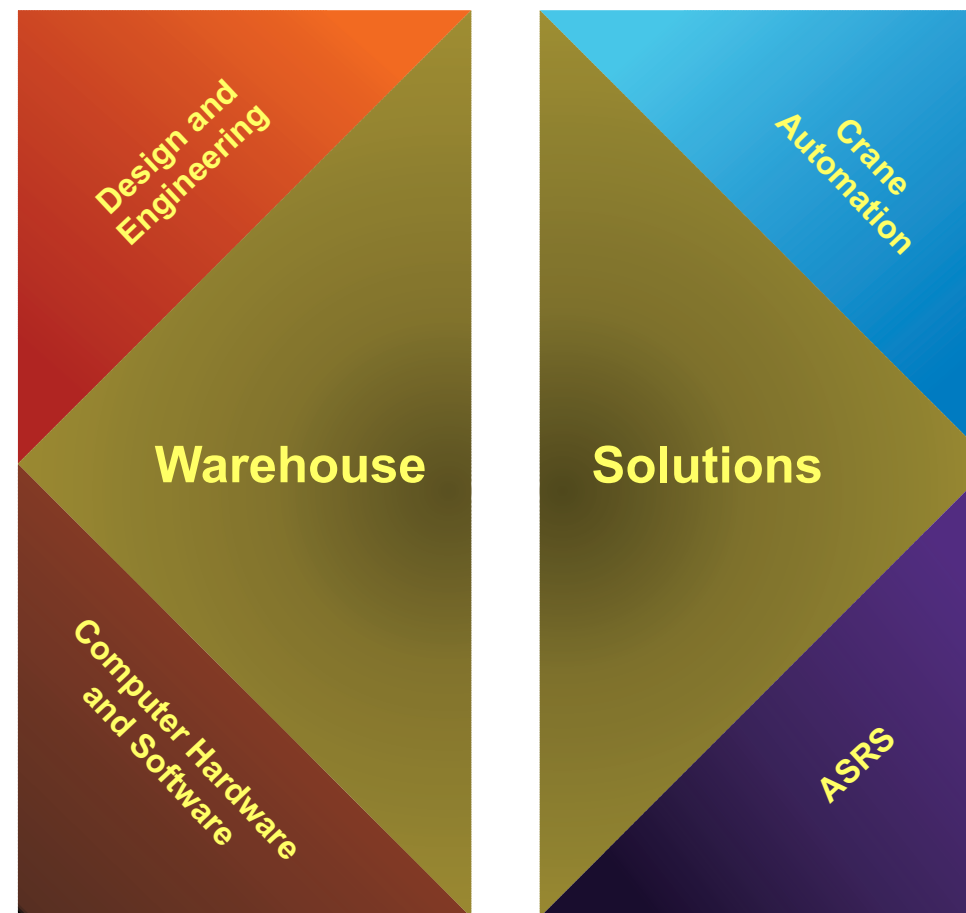
## Warehouse Solutions-ASRS (Automatic Storage and Retrieval System)



### 80/20 Benefits

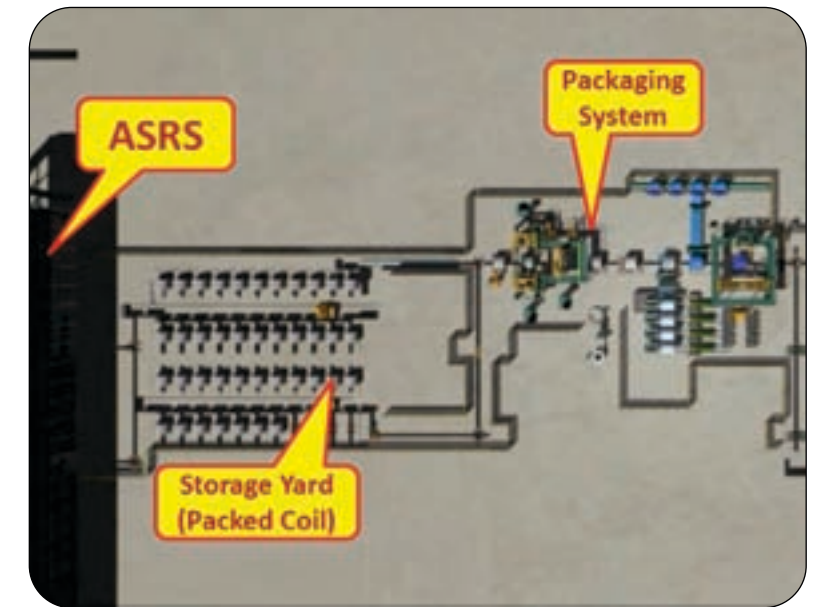
- Investment realization
- Optimum asset utilization, line utilization and crane utilization
- Savings on material losing identification and there by downgrading
- Reduced inventory carrying cost of finished goods due to well planned system
- Realization on better delivery compliance compared to manual system
- Saving on manpower resources
- Realization due to less material handling

### WMS Scope of Work and Concept



### Our Installations at...

- ESPF
- SAIL-Bokaro



### 80/20 Benefits

- Organized storage
- Proper tracking and faster inventory control
- Reduce excessive handling of product
- Requires less maintenance
- Increases response time to customer demand
- Improves labor productivity
- Increase productive capacity of existing floor space
- Reduces and maintains accurate records inventory
- Reduces product damage, location errors and shrinkage due to minimum product handling





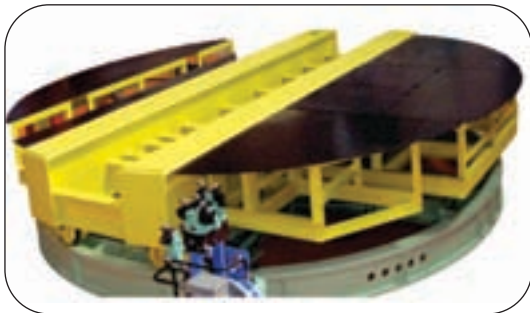
Transfer Car (Coil or Slab)



Coil Car with Tilter



Down / Up - Ender



Turn - Table



Coil Car with 180° Rotation



Coil Car with Up/Down Mechanism



Robotic Picker and Placer



Coil Picker and Placer



Coil Car (Eye-to-Sky)



Coil Car (Eye-to-Wall)



Conveyors



Saddle Chain Conveyor





M410W-114



M410N-114



M410S-114



AK-200



Polyester Friction Weld Joint

FLAT PRODUCTS



M410N-114-CH12-2H-M



M410N-114 EH3-M-A



M410N-114-A-2H-CH3



M410W-114-EH3



AK-200-HDX-32



M410N-114 CH12-PB



M410N-114-CH12-MWBF



Power Strap Feeder-114

LONG PRODUCTS



M410N-114-CH12-AWBF



M410N-114-CH12-SC-M

INGOT PRODUCTS



Z-32



M410W-114-CH12-SC



## Wrapping Solutions



Coil Master with Edge Feeder



MK-1 Coil Master



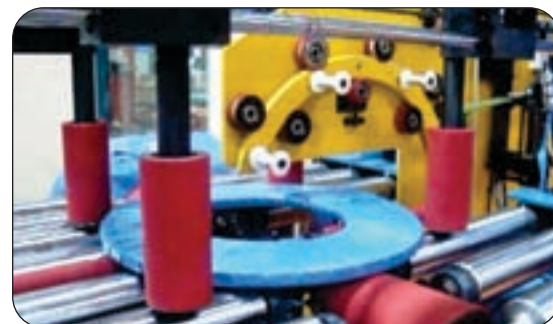
Ring Master



Spider



Eye Wrapping (Eye-to-Wall)



Eye Wrapping (Eye-to-Sky)

## Accessories



ID-OD Machine



Angle Board Applicator



Dispenser



Hot Coil Marking Equipment



Label Application - Robot



On Strap Tag Applicator



Print on Strap



## Services

Signode's pre and post sales services include Contract Packaging, Field Engineering, Machines & Tools Service, Maintenance Contracts, Training, Integrated Tracking and Logistics Management Services and Returnable Transit Packaging Systems.

Contract Packaging can include packing labour, total materials supply, equipment and administration, best practices. This enables customers to focus on core activities, whilst at the same time benefitting from process simplification, single point of contact and zero packaging inventories.

## Retrofitting

A new idea to help our customers to enhance their productivity by replacing/modifying their existing modules with our new solutions, which will benefit them in long run through

- Higher Productivity
- Project time saving
- Less/ zero civil work
- Low capital investment
- Quick installation
- Branding



Replacements to Signode proven strapping technology from traditional low yield wire tying

## Consumables

When you buy Consumables from Signode, you benefit from technology that has been designed specifically for your application and technology that protects your products, streamlines your production and improves your bottom line.



Strapping Consumables



Edge Protectors



Wrapping Consumables

## Tools

Our Tool Service Center consists of experienced engineers who repair and service your hand tools either in the field or in-house at our Hyderabad workshop. Combination tools function as tensioners, sealers and cutters. They save time by eliminating the handling of separate tools. Seal-feed combination tools carry a stack of seals in a magazine for fast, easy loading. Sealless combination tools use friction to weld the strap ends together, creating a secure joint.



PRHR - 114



VT - 19



PNSC



BXT2 +PT

## World-class Facilities and Infrastructure

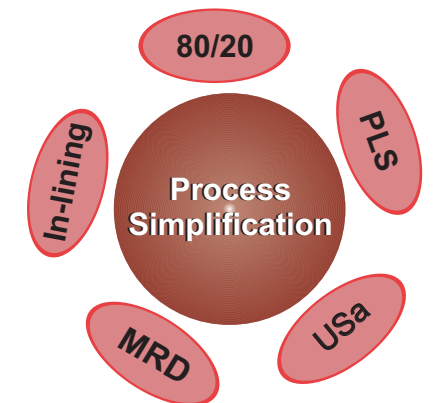
Signode India, Rudraram, is a 83,000 Sq. ft. state-of-the-art facilities center enabled to carry out full-fledged trials of all systems before delivery. The best-in-class material handling equipment ensures better product performance which leads to customer's delight.

## Your link to World-Class Business Processes

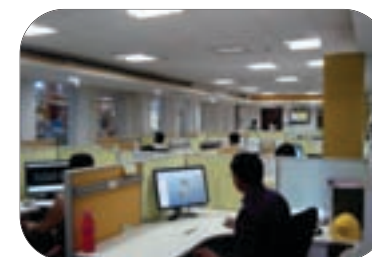
Signode's proven strategies and techniques, don't just guide our business processes, but also help us find new ways to enhance your profits too.

**80 / 20:** Business data analysis, Separation of the '20' from the '80', Focus resources on '20', Find different approaches and solutions for simplifying

and managing '80'. **PLS (Product Line Simplification):** Strategizing and focusing on those customers and products that have the most volume and are profitable. **In-Lining:** With in-lining, we take a hard look at our plants to evaluate everything from the arrangement of workstations and equipment to employee training programs and inventory control. **MRD (Market Rate of Demand):** Using this technique, we regularly review our sales activity, capacity and lead times to determine target inventory levels for each and every product. **Usa (Understand, Simplify and act/automate):** Usa methodology looks at internal processes from customers' point of view. The small "a" in Usa is to stress that 80% of the effort is in the Understanding & Simplifying steps.



## Your link to Best-in-Class People



Each and every Signode employee thinks for your benefit. They are technically competent and well trained to offer segment-specific solutions and to spot, recommend and execute value-added projects in the end of the line packaging area, on a continual basis. That's not all; **our Field Engineers are members of the International Safe Transit Association and are certified by the Institute of Packaging Professionals**, which means that you get only what's best for you, and nothing less.