

LITTELL



SCROLL SHEETING SYSTEMS

*The Standard for Coil Processing
In The Metal Packaging Industry*

WORLD LEADER

World Leader in Scroll Sheeting Systems

With over 300 scroll lines installed worldwide, Littell sets the standard for the container industry in speed, accuracy, quality, and reliability.

Supplying over 90% of the worldwide demand for this specialized equipment, our commitment to continual product development insures process superiority and investment advantages for our customers.

Recognized as the world leader in scroll sheeting systems, Littell continues to provide the industry with the latest in performance technology. With speeds of up to 275 mpm providing output ranging from 50 - 300 sheets per minute and the ability to handle coils weighing up to 20 metric tons.



Since 1918 LITTELL

continues a tradition of pioneering innovative design ideas, excellence in quality and speed with safety for the metal processing industry. Our customer service team supports these efforts, providing prompt and knowledgeable service and support for the entire range of Littell equipment.

ENGINEERING FOR A BETTER TOMORROW



The combined engineering and design talent present at Littell, LLC is among the best in the world. Littell is a leader in the engineering and implementation of innovative ideas for automated material handling. Utilizing the latest in computer aided design equipment, our engineers combine their knowledge and skills to provide the metal processing industry with the highest level of engineered safety and reliability available today - and tomorrow.

LITTELL

SPEED-SAFETY-RELIABILITY

MODERN MANUFACTURING FACILITY

LITTELL's facility provides an ideal environment for the wide range of services we provide.

This facility gives us ample space for simultaneous construction of several large, fully integrated systems, as well as a wide range of standardized and stand-alone equipment all in a pleasant and safe environment for customers to conduct acceptance tests, and to participate in our comprehensive training classes. By providing such an environment, Littell remains a cut above its competition.

The layout of our facility caters well to our needs. The office area is arranged for engineering, sales, management information systems, aftermarket service, finance, accounting and general office support.

Our factory includes bridge crane services throughout, recessed and drive through loading docks, a fabrication area complete with a full welding and sheet metal shop, and a highly productive machine shop.



LITTELL

EXCELLENCE IN QUALITY

SCROLL CUTTING



The illustration above graphically portrays the progression from coil stock to scroll cut sheets, to re-scroll sheets to can ends. In this process, and due to the use of the scroll cutting pattern, maximum material utilization of the coil is assured. Actual material savings range from 3% to 8% on every coil.



The illustration at the right reveals the advantages gained when a scroll sheet cut from coil stock on a LITTELL line is used in a re-scroll shear. Blue colored sections mark material that would be wasted on straight cut sheet of the same length. The illustration shows how scroll cutting prevents the waste of twelve scroll butts and instead returns six complete can ends.



Scroll Sheeting for Two Piece Cans
Two-piece can manufacturers sheet-feed LITTELL-produced prime scroll material into cupping presses to avoid press downtime often caused by pinholes, off-gauge and visual defects found in coil material. The first illustration shows the progression from coil to scroll sheet cups for two-piece cans.



STRAIGHT CUT



Straight Cut Sheeting for Can Bodies
All LITTELL Scroll Sheeting Systems can produce straight cut sheets for can bodies. The inherent economic potential of coil material is also realized here. Changeover from scroll cutting to straight cutting is quickly and easily achieved, with enough press die space and shut height to handle both straight cut and scroll cut dies.



Full Utilization Of Sheets Results In Reduced Waste & Increased Productivity

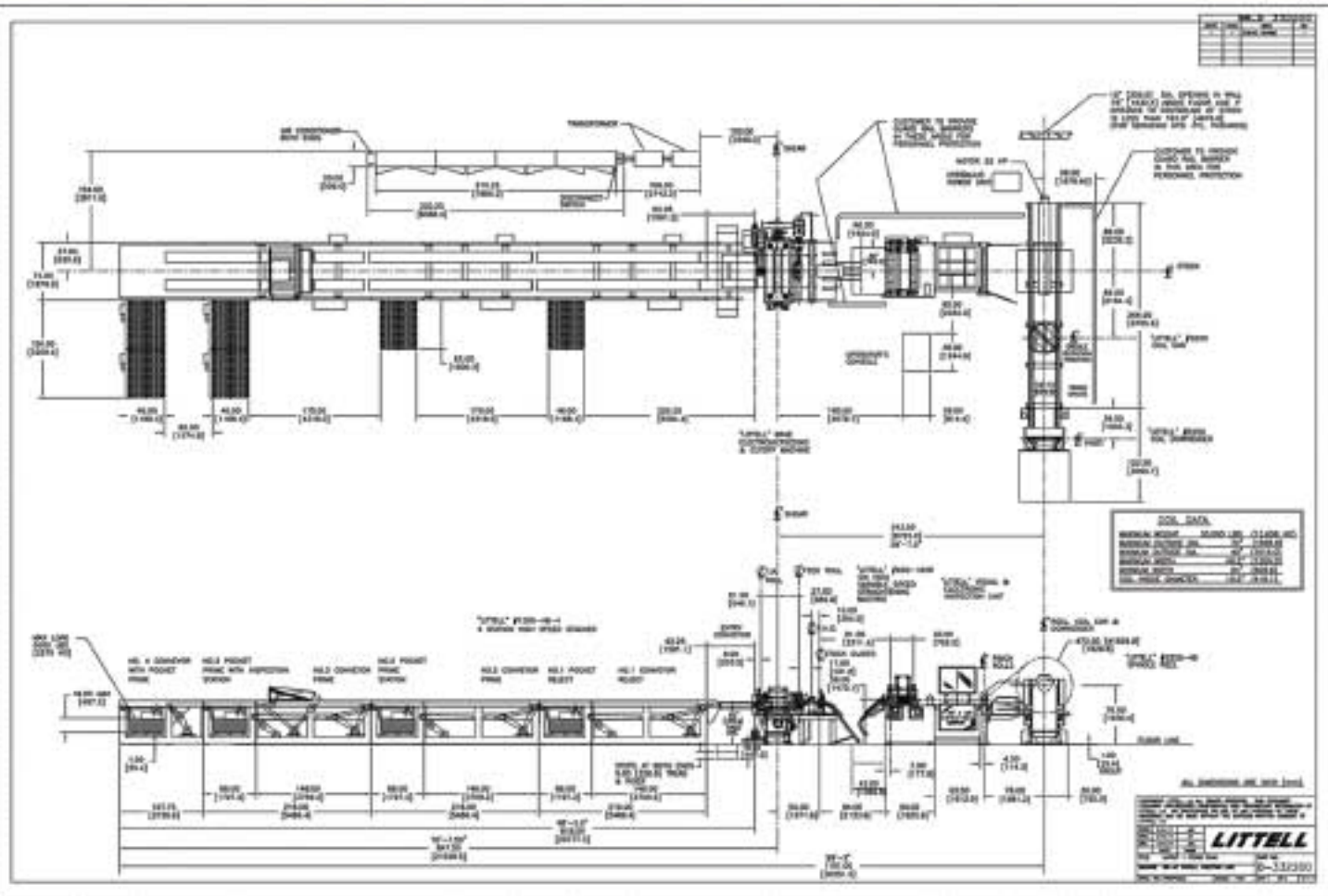


LITTELL LARGEST SELECTION OF SHEETING LINES

Models	Speed Ranges	Standard Specifications	
LM-1E	50 to 100 sheets per minute (100 meters per minute)	Plate Thickness Range	0.13 mm to 0.50 mm
LM-2E	50 to 150 sheets per minute (125 meters per minute)	Strip Width Range	610 mm to 1250 mm
BR-4E	50 to 200 sheets per minute (180 meters per minute)	Sheet Length Range	457 mm to 1200 mm
BR-5E	50 to 250 sheets per minute (229 meters per minute)	Maximum Coil Weight	13.6 Metric Tons
BR-5ER	50 to 300 sheets per minute (275 meters per minute)	Coil I.D.	419 mm nominal
		Reel Arbor Expansion	381 mm to 445 mm
		Maximum Coil O.D.	1828 mm maximum
		Minimum Coil O.D.	914 mm
		Direction of Feeding	Right to Left
		Bundle Size	2268 kg maximum
		Bundle Height	457 mm maximum stack height over 89 mm pallet

Scroll or Straight Shearing of Tinplate, Blackplate, TFS, and Aluminum in tempers normally associated with standard can making materials

TYPICAL FLOOR PLAN



STANDARD EQUIPMENT

Electronic Feed



Non Contact Laser Thickness Gauge

Human Machine Interface Terminal



Programmable Cutoff Machine



Material Inspection & Variable Speed Straightening Machine

LITTELL

OPTIONS

Coil Capacities
from
8 to 20
Metric Tons



Coil Cars & Uncoilers



Small Roll Straightener - Removable work roll cassette allowing for ease of maintenance and cleaning. Work rolls are fully backed up and offer correction leveler working of material at minimal cost.

Go To Position Stacker Systems



Die & Straighteners Cartridge Loading Cart



BR Electronic Non-Marking Takeaway - High speed servo driven takeaway roll system for effective removal of cut sheets from shear (available as an option on LM lines)

LITTELL has options to suit any requirement to improve production output including :

- Quick Die Change Package
- Strip Chart Recorder
- Pinhole Marker
- Thickness Marker
- Edge Trimmer
- Motor Driven Scrap Conveyor
- Traversing Reel
- Storage Racks
- Straight Cut Dies
- Scroll Cut Dies



Downenders



Motorized Gauge Table - Measures both straight and scroll-cut sheets. Digital indicators with instant in/mm conversion allow valuable data to be collected for improving quality control

TWO LEADERS

NOW WORKING TOGETHER TO BRING YOU INNOVATIVE SOLUTIONS. . .

Perfecto

LITTELL

Perfecto and Littell, both global leaders, are now partnering in sales, engineering manufacturing and service to bring you more innovation and productivity in:
MATERIAL HANDLING, STRAIGHTENING, FEEDING & SCROLL SHEETING SYSTEMS



LITTELL



REACHING CUSTOMERS ON A GLOBAL SCALE

SCROLL SHEETING SYSTEMS

LITTELL, LLC 1211 TOWER ROAD-SCHAUMBURG, ILLINOIS 60173 USA
PHONE: 1-630-622-4700 FAX: 1-630-622-4747

WWW.LITTELL.COM