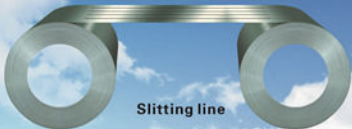




LMS INTERNATIONAL LIMITED

Professional Choice

Professional Service



Slitting line



Cut to length Line

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LMS International Limited is a leading manufacturer specializing in slitting line machine, cut to length line(CTL), and steel coil processing machine parts and accessory, such as decoiler, recoiler, slitting machine, straightening machine, flying Saw cutting machine, etc for more than 15 years in China. Our machines are enjoying great popularity at home and abroad market by good quality, competitive price and professional service.

LMS factory is occupying more than 80,000M² in Foshan city, the industrial center in Guangdong Province, China. The adoption of high precision NC processing equipment is laying a foundation of quality-guaranteed machine production. A team of experienced engineers is working with PROE design and software system and skilled technicians for machine production and inspection. It achieves ISO 9001 Quality Management System Certificate and enjoying high reputation in domestic and oversea markets.

Welcome to visit our factory!

Fly-Shear High Speed Cut to Length JLS1400

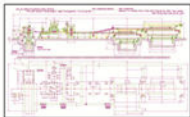


- ◊ LMS successfully R&D the fly-cutting hydraulic cut to length line.
- ◊ Cutting speed can be up to 80m/min , production: 40 pieces /min (2000mm length)
- ◊ Application: use in the metal steel processing industries.. It improves the production greatly.

◊ coil width:500~1400mm, coil thickness:0.3~3.0mm.

◊ coil weight 20 ton

◊ the machine can be designed according to client's special requirement, the above technical parameter for reference only.



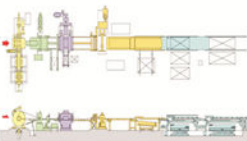
Fly-Shear High Speed Cut to Length JLS1800

LMS fly-shearing cut to length is suitable for great production factory; its cutting speed can be up to 80m/min.

Main technical parameter:

- ◊Material: Aluminum sheet/ HR/CR /S.S steel
- ◊Material width: 600--1800mm, coil drum width: 1850mm.
- ◊Outer diameter of coil: ϕ 2100mm
- ◊Inner diameter of coil: ϕ 460-520mm, with cover, it up to 610mm (hydraulic decoiler)
- ◊Material weight: 25000kgs(max)
- ◊cutting speed: 0-80m/Min
- ◊Shearing precision:
- ◊Length precision: $\pm 0.3\text{mm}/1\text{m}$
- ◊Diagonal line tolerance: $\pm 0.5\text{mm}$
- ◊Stacker length: 600-4000mm
- ◊Stacker height: 400mm

Note: The machine can be designed according to client' s special requirement, the above parameter just for reference only.



Main equipments:

- ⇨ Loading trolley car
- ⇨ Hydraulic decoiler (with supporting stand) 1set
- ⇨ Six layer type leveling machine
- ⇨ Fly-cutting head
- ⇨ Transmission machine
- ⇨ Stacker machine
- ⇨ Hydraulic system
- ⇨ Electronic control system



Fly-Shearing Head

Main technical parameter:

Coil width: max 1800mm

Material thickness: 0.5-3.5mm

Clear adjustment: motor driven

Stoke quantity: 174cut/min (1000mm length)

The Fly-shearing head is welding by steel, through synchronous shaft rotating. The both sides asymmetrical shaft to get quick-shearing; the gear is through heat treatment and grinding.

The asymmetrical shaft: forging, tempering and grinding.



Cutting type from bottom to top driven blade for cutting

Use servo motor for transmission.

Central compulsive lubrication system

Quick- change the gap between crossing cutting blade to cut different thick coil.

4 SIDES cutting blade: SKD11 HRC58-60) of the blade, with quick-adjustment



Mini slitting line

LMS mini slitting line is suitable to cut narrow width coil, in economical design, simple structure and easy operation.

Main equipment:

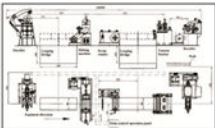
- ◇ Hand manual expansion decoiler
- ◇ Loop bridge
- ◇ Slitting machine
- ◇ Loop bridge
- ◇ Tension station
- ◇ Hand manual expansion double-recoiler
- ◇ Electronic control system



Main technical parameter:

Model	Thickness of coil(mm)	Coil width (mm)	Slitting speed	Coil weight	Quantity
JB450	0.3-1.0/0.3-1.0	50-450	0-100M/MIN OR 0-60M/50N	2-5TON	2-20
JB550	0.3-1.5/0.3-1.0	100-550	0-100M/MIN OR 0-60M/50N	2-8TON	2-20
JB650	0.3-1.5/0.3-1.0	100-650	0-100M/MIN OR 0-60M/50N	2-8TON	2-20
JB750	0.3-1.5/0.3-1.0	100-750	0-100M/MIN OR 0-60M/50N	3-10TON	2-20
JB850	0.3-1.5/0.3-1.0	100-850	0-100M/MIN OR 0-60M/50N	3-10TON	2-20
JB950	0.3-1.5/0.3-1.0	100-950	0-100M/MIN OR 0-60M/50N	3-10TON	2-20

Note: the machine can be designed according to client's special requirement, the above parameter for reference only.



Light gauge slitting line

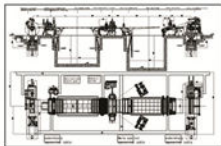


- ◆ Adopt good quality PLC control system, HMI, high degree of automation.
- ◆ Adopt reliable hydraulic system and hydraulic elements.
- ◆ Electronics adopt famous world brands, quite reliable.
- ◆ Adopt good mechanical design with high solidity and strength.

Main technical parameter:

Model	Thickness of coil(mm)	Coil width (mm)	Slitting speed	Coil weight	Frequency
J81050	0.3-1.5/0.3-3.0	300-1050	0-100/min	5-20ton	2-20
J81300	0.3-1.5/0.3-3.0	300-1300	0-100/min	5-25ton	2-20
J81400	0.3-1.5/0.3-3.0	300-1400	0-100/min	5-25 ton	2-20
J81500	0.3-1.5/0.3-3.0	300-1500	0-100/min	5-25ton	2-20
J81600	0.3-1.5/0.3-3.0	300-1600	0-100/min	5-25ton	2-20

Note: the machine can be designed according to client's special requirement, the above parameter for reference only.



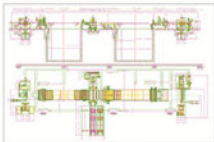
High speed slitting line with double slitting stand



- ◆ Adopt good quality PLC control system, HMI, high degree of automation.
- ◆ Adopt reliable hydraulic system and hydraulic elements.
- ◆ Electronics adopt famous world brands, quite reliable.
- ◆ Adopt good mechanical design with high solidity and strength.
- ◆ With double knife stand, improve production greatly, speed can be up to 150m/min
- ◆ Use in great production factory, can save time for changing slitting blade and spacer.
- ◆ Suitable for coil thickness $\geq 0.3\text{mm} - 3.0\text{mm}$

Main technical parameter:

Model	Thickness of coil	Coil width	Slitting speed	Coil weight	Strip quantity
JS1050	0.3-1.5/0.3-3.0	800-2000	0-250m/min	5-20TON	2-25
JS1300	0.3-1.5/0.3-3.0	800-2300	0-250m/min	5-15ton	2-25
JS1400	0.3-1.5/0.3-3.0	800-2400	0-250m/min	5-15ton	2-25
JS1500	0.3-1.5/0.3-3.0	800-2500	0-250m/min	5-15ton	2-25
JS1600	0.3-1.5/0.3-3.0	800-2600	0-250m/min	5-15ton	2-25



Note: the machine can be designed according to client's special requirement, the above parameter for reference only.

Middle gauge slitting line

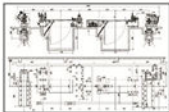
- Adopt good quality PLC control system, HMI, high degree of automation.
- Adopt reliable hydraulic system and hydraulic elements.
- Electronics adopt famous world brands, quite reliable.
- Adopt good mechanical design with high solidity and strength.
- High performance with competitive price, suitable for factory end-users.



Main technical parameter:

Model	Thickness of coil(mm)	Coil width (mm)	Slitting speed	Coil weight	Strip quantity
JB1500	1.0-6.0	600-1500	0-80m/min	10-25ton	2-20
JB1600	1.0-6.0	600-1600	0-80m/min	10-25ton	2-20
JB1700	1.0-6.0	600-1700	0-80m/min	10-25ton	2-20

Note: the machine can be designed according to client's special requirement, the above parameter for reference only.



Middle gauge slitting line

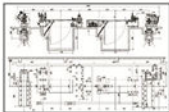
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- Adopt reliable hydraulic system and hydraulic elements.
- Electronics adopt famous world brands, quite reliable.
- Adopt good mechanical design with high solidity and strength.
- High performance with competitive price, suitable for factory end-users.



Main technical parameter:

Model	Thickness of coil(mm)	Coil width (mm)	Slitting speed	Coil weight	Strip quantity
JB1500	1.0-6.0	600-1500	0-80m/min	10-25ton	2-20
JB1600	1.0-6.0	600-1600	0-80m/min	10-25ton	2-20
JB1700	1.0-6.0	600-1700	0-80m/min	10-25ton	2-20

Note: the machine can be designed according to client's special requirement, the above parameter for reference only.



Heavy gauge slitting line

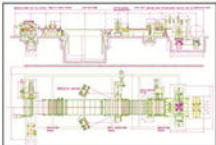


- ✦ LMS FACTORY specializing in designing and building equipment for heavy-gauge slitting lines.
- ✦ Slitter heads are used in demanding heavy-gauge applications.
- ✦ We have designed and built slitting line by 25mm thick and by 2500mm wide.
- ✦ Our scrap choppers are the recognized choice by customers around the world because of our many features, including the helical cutting action and our recently patented shimless knife feature. Our shears are used in many heavy gauge slitting line applications.

Main technical parameter:

Model	Thickness of coil(mm)	Coil width (mm)	Slitting speed	Coil weight	Qty/qty
JB1800	2-30	600-1800	0-50M/MIN	10-30TON	2-15
JB1900	2-30	800-1900	0-50M/MIN	10-35TON	2-15
JB2000	2-33	800-2000	0-50M/MIN	10-35TON	2-10
JB2100	2-33	800-2100	0-50M/MIN	10-35TON	2-10
JB2200	2-33	800-2200	0-50M/MIN	10-35TON	2-10
JB2300	2-33	800-2300	0-50M/MIN	10-35TON	2-10

Note: the machine can be designed according to client's special requirement, the above parameter for reference only.



Mini cut to length line

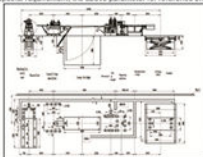
LMS mini cut to length is suitable to cut narrow width coil, in economical design, simple structure and easy operation.



Main technical parameter:

Model	Thickness of coil(mm)	Coil width (mm)	Cutting Speed	Coil weight	Cutting length (m)
JLS 450	0.3-1.00	3-30	0-40M/MIN	2-5TON	1-6m
JLS 550	0.3-1.50	3-30	0-40M/MIN	2-8TON	1-6m
JLS 650	0.3-1.5/0.3-3.0	30-650	0-40M/MIN	2-8TON	1-6m
JLS 750	0.3-1.50	3-30	0-40M/MIN	3-10TON	1-6m
JLS 850	0.3-1.50	3-30	0-40M/MIN	3-10TON	1-6m
JLS 950	0.3-1.50	3-30	0-40M/MIN	3-10TON	1-6m

Note: the machine can be designed according to client's special requirement, the above parameter for reference only.



Light gauge cut to length line

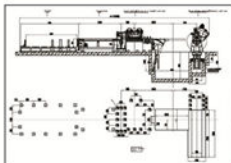


- ◇ Adopt frequency converter to control cut to length, quality is reliable.
- ◇ Adopt good quality PLC control system, HMI, High degree of automation.
- ◇ High performance-cost ratio, especially suitable for factory end-users.

Main technical parameter:

Model	Thickness of coil(mm)	Coil width (mm)	Cutting Speed	Coil weight	Cutting length (m)
LS 1050	0.3-1.0/1.3-1.6	300-1050	0-40m/min	5-10ton	1-6m
LS 1300	0.3-1.0/1.3-1.6	300-1300	0-40m/min	5-15ton	1-6m
LS 1400	0.3-1.0/1.3-1.6	300-1400	0-40m/min	5-15ton	1-6m
LS 1500	0.3-1.0/1.3-1.6	300-1500	0-40m/min	5-15ton	1-6m
LS 1600	0.3-1.0/1.3-1.6	300-1600	0-40m/min	5-15ton	1-6m

Note: the machine can be designed according to client's special requirement, the above parameter for reference only.



Middle gauge cut to length line

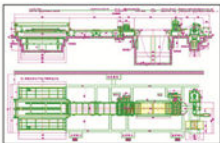
- ◆ Adopt frequency converter to control cut to length, quality is reliable.
- ◆ Adopt good quality PLC control system, HMI, High degree of automation.
- ◆ High performance-cost ratio, especially suitable for factory end-users.



Main technical parameter:

Model	Thickness of coil/mm	Coil width/mm	Cutting Speed	Coil weight	Cutting length
LS 1500	1.0-6.0	600-1500	0-40m/min	10-25ton	1-6m /1-12m
LS 1600	1.0-6.0	600-1600	0-40m/min	10-25ton	1-6m /1-12m
LS 1700	1.0-6.0	600-1700	0-40m/min	10-25ton	1-6m /1-12m

Note: the machine can be designed according to client's special requirement, the above parameter for reference only.



Heavy gauge cut to length line



- ✧ LMS is specializing in designing and building equipment for heavy-gauge cut to length lines.
- ✧ We have designed and built cut to length line by 25mm thick and 2500mm wide.
- ✧ Our scrap choppers are the recognized choice by customers around the world because of our many features, including the helical cutting action and our recently patented shimless knife feature. Our shears are used in many heavy gauge cut to length line applications.

Main technical parameter:

Model	Thickness of coil(mm)	Coil width (mm)	Cutting Speed	Coil weight	Cutting length
LS 1800	2-10	600-1800	0-30m/min	10-30ton	1-6m /1-12m
LS 1900	2-10	800-1900	0-30m/min	10-35ton	1-6m /1-12m
LS 2000	2-13	800-2000	0-30m/min	10-35ton	1-6m /1-12m
LS 2100	2-13	800-2100	0-30m/min	10-35ton	1-6m /1-12m
LS 2200	2-13	800-2200	0-30m/min	10-35ton	1-6m /1-12m
LS 2300	2-13	800-2300	0-30m/min	10-35ton	1-6m /1-12m
LS 2400	5-20	800-2400	0-15m/min	10-35ton	1-6m /1-12m
LS 2500	5-25	800-2500	0-15m/min	10-35ton	1-6m /1-12m

Note: the machine can be designed according to client's special requirement, the above parameter for reference only.



Main parts and components of slitting line & cut to length line

1. Decoiler

- ◇ LMS can offer Hydraulic type or manual type decoiler, single head or double-head, the machine can be designed according to customer's special requirement, the mentioned parameter just for reference only.
- ◇ Decoiler is one important machine in the slitting line, cut to length line, roll forming line, etc.

(1) Manual single head decoiler

- ◇ Main technical parameter:
- ◇ Coil width: 300mm-1600mm
- ◇ Coil weight: 3TON--7TON
- ◇ Coil inner diameter: $\Phi 460-520\text{mm}$
- ◇ Coil max outer diameter: $\Phi 1500\text{mm}$
- ◇ Uncoiling speed: 5-40m/min
- ◇ Has no speed adjustable function.
- ◇ The above technical parameter for reference only, the machine can be design according to customer's special requirement



(2) Manual double-head decoiler

- ◇ Coil width: 400mm
- ◇ Coil weight: 3000kgs
- ◇ Coil inner diameter: $\Phi 460-520\text{mm}$
- ◇ Coil outer diameter: $\Phi 1500\text{mm}$
- ◇ Uncoiling speed: 5-40m/min
- ◇ Has no speed adjustable function.
- ◇ The above technical parameter for reference only, the machine can be design according to customer's special requirement



(3) Hydraulic single head decoiler

- ◇ Coil width: $\Phi 300-2500\text{mm}$,
- ◇ Coil inner diameter: $\Phi 460-520\text{mm}$
(hydraulic decoiler)
- ◇ Coil outer diameter: $\Phi 1600\text{mm}$
- ◇ Coil weight capacity: 3ton--30 ton, according to customer's requirement.
- ◇ Equip with hydraulic support stand (optional)
- ◇ Coil car (optional)
- ◇ Hydraulic system
- ◇ Equip with a electronic control panel.
- ◇ The above technical parameter for reference only, the machine can be design according to customer's special requirement

(4) Hydraulic double-head decoiler (can make customized design)

- ◇ 3 grades of expansion ($\Phi 460\text{mm}-520\text{mm}$, $\Phi 560\text{mm}-620\text{mm}$, $\Phi 660\text{mm}-720\text{mm}$)
- ◇ Coil thickness: 8-20mm
- ◇ Coil width: 2000mm
- ◇ Coil outer diameter: $\Phi 2000\text{mm}$
- ◇ Coil weight: 35 Ton
- ◇ Uncoiling speed: 15m/min
- ◇ Expansion degree: 60mm
- ◇ Hydraulic system
- ◇ Withloading coil car
- ◇ Equip one electronic control panel
- ◇ The above technical parameter for reference only, the machine can be design according to customer's special requirement



(5) Hydraulic recoiler

- ◆ Coil width: 1250mm
- ◆ Coil inner diameter: $\Phi 480$ -508mm (hydraulic decoiler)
- ◆ Coil outer diameter: $\Phi 1500$ mm
- ◆ Coil weight: 10 ton
- ◆ Uncoiling speed: 0-50m/min
- ◆ Equip with electronic control panel. 1 set
- ◆ The above technical parameter for reference only, we can make customized design machine.

**(6) Coil car**

- ◆ It is used to support the decoiler/recoiler to load or unload the coil. Composed of steel, wheel, guiding pole, transmission shaft, etc.
- ◆ Weight capacity: can be design according to customer needed.
- ◆ Speed: 6m/min
- ◆ Weight capacity can be design according to customer's requirement.



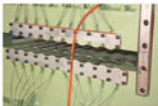
(7) Slitter head

- ◇ It is welding by steel plate, casting base, gear speed reducer, motor-driven spire lifting device
- ◇ Material of blade shaft: 40 Cr,
- ◇ With key-slot (according to customer requirement)
- ◇ Coil width and coil thickness: according to customer's requirement.

Single slitter head**Multiple slitter head**

(8) Leveling machine

- ◆Structure: 4-layer structure, 19 rollers leveling machine, 2 pinch roller, pneumatic for up and down (can be designed according to customer's special requirement)
- ◆The leveling machine is composed of guiding roller, leveling roller, upper and lower supporting roller, machine frame, pressing device and transmission system. Etc.



(9) Coil packing machine

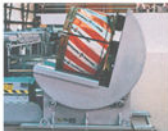
Main components:

- ◆PLC control
- ◆Man-machine interface
- ◆Transducer to adjust speed
- ◆Rotating motor
- ◆Support roller speed reducer
- ◆Lifting speed reducer
- ◆Button and contactor



(10) Upender

- ◆ 90° working table
- ◆ The machine frame is welding by steel and I steel. 3kw cycloid-pin motor to transmit, worm-gear speed reduce, double rows gear-chain wheel, weight capacity: 5Tons.
- ◆ Equip with one electronic control panel.

**(11) Stacking system**

- ◆ It is composed of run-out table, hydraulic up-down frame and out put trolley car.
- ◆ Equipped with wind-cooling device
- ◆ Folding material length: according to customer's requirement.



(12) Slitting line tooling (slitting cutter, spacer, rubber ring)

◆ **Slitting cutter**

Material of slitting cutter: H13K,
SKD-II, CR12MOV, ETC
HRC60±1

◆ **Spacer**

Material: 65Mn, 40Cr
HRC50±1

◆ **Rubber ring**

Material: Polyurethane



Slitting cutter



Spacer



Slitting cutter



Rubber ring



Spacer and slitting cutter



Slitting cutter and spacer

Customers visited our factory and our projects in foreign countries





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