



## MDX Double Decoiling Machinery 415v

The Morgan Rushworth Double Hydraulic Decoiler range offers capacities of 4,000 - 10,000kg. Capable of working up to 1,000mm widths and thickness's of 0.5 - 2mm. The twin mandrel system rotates, allowing you to swap coils quickly on the production line, and load the next coil while the decoiler unloads the opposite mandrel, thus reducing machinery down-time.

It features a motorised loop control and proximity sensor-controlled speed control.

The coils are decoiled from the top, and the speed can be set to match the rest of the production line.

The optional Hydraulic Loading Car makes the process of loading and unloading coils even easier and faster.



**Explore  
the full Coil  
Processing  
Range today**



## Machine Features

- Twin Mandrel for simultaneous decoiling and loading for maximum efficiency
- Coil holding from inside via hydraulic mandrel expansion
- Coil outfeeds from the top
- Decoil at pre-determined speeds
- Electronically operated turning and stopping system via sensor.
- Mandrel working includes the cross (scissor) construction system.

## Optional Equipment

- Hydraulic Loading Car



## TECHNICAL SPECIFICATIONS

MODEL - DOUBLE DECOILER		MDX600.4000	MDX800.6000	MDX1000.10000
Decoiler Type		Double Head / Hydraulic	Double Head / Hydraulic	Double Head / Hydraulic
Decoiler Capacity	kg	4,000	6,000	10,000
Width Capacity (Max)	mm	600	800	1000
Coil Inner Diameter (min)	Ø mm	480	480	480
Coil Inner Diameter (max)	Ø mm	560	560	560
Working Capacity Outside Diameter	Ø mm	1,600	1,600	1,600
Working Thickness	mm	0.5 - 2	0.5 - 2	0.5 - 2
Roll Inside Pressure System		Hydraulic Mandrel	Hydraulic Mandrel	Hydraulic Mandrel
Mandrel Operating System		Conical Expansion	Conical Expansion	Conical Expansion
Power Transfer System for Drum		Motorised with reducer	Motorised with reducer	Motorised with reducer
Speed Control System		Adjustable drum rotary speed	Adjustable drum rotary speed	Adjustable drum rotary speed
Unrolling Security - Upper		Upper pressure arm	Upper pressure arm	Upper pressure arm
Rotation Speed	RPM	Maximum 14 (adjustable)	Maximum 14 (adjustable)	Maximum 14 (adjustable)
Control System		Laser sensor	Laser sensor	Laser sensor
Working Direction		Upper / bottom	Upper / bottom	Upper / bottom
Hydraulic Power		From the main power unit	From the main power unit	From the main power unit

MODEL - HYDRAULIC LOADING CAR (*OPTIONAL)		MDX600.4000	MDX800.6000	MDX1000.10000
Compatible Decoiler		MDX600.4000	MDX800.6000	MDX1000.10000
Capacity	kg	4,000	6,000	10,000
Max. Coil Width	mm	600	800	1,000
Max. Coil OD	Ø mm	1,500	1,500	1,600
Type	Ø mm	V type (Single)	V type (Single)	V type (Single)
Traversing Style		Hydraulic	Hydraulic	Hydraulic
Lifting Stroke	mm	300 (Hydraulic Piston)	300 (Hydraulic Piston)	300 (Hydraulic Piston)
Control System		Via Control Panel	Via Control Panel	Via Control Panel