LOW OVALITY COILING TECHNOLOGY

Low Ovality (LV) Technology was developed by and remains unique to Reel Power.

Reduce Ovality by up to 60%
Improve coil stability | Reduce transport costs

Reduce Ovality and Achieve More Compact Coil Dimensions

Low Ovality (LV) Technology was developed by and remains unique to Reel Power. It enables high density polyethylene pipe (HDPE) and some unbonded pipes to be coiled with greatly reduced ovality (typicaly less than 5%). Pipe may also be coiled at much smaller diameters allowing longer lengths within existing coil dimensions whilst maintaining acceptable levels of ovality. LV Technology can be used on all pipe sizes that are currently supplied in coils and it enables larger pipe diameters to be coiled that have previously only been supplied in straight lengths.

Standard Features:

- Powered adjustment of coil diameter
- Automatic stop at pipe end
- Automatic pipe layering
- Automatic reset to loading position
- Powered coil head collapse
- Powered tail end guide
- Manual pipe end attachment, coil strapping and coil unload

Optional Features:

- Wheel mounting
- Integrated coil unload arm
- Automatic strapping

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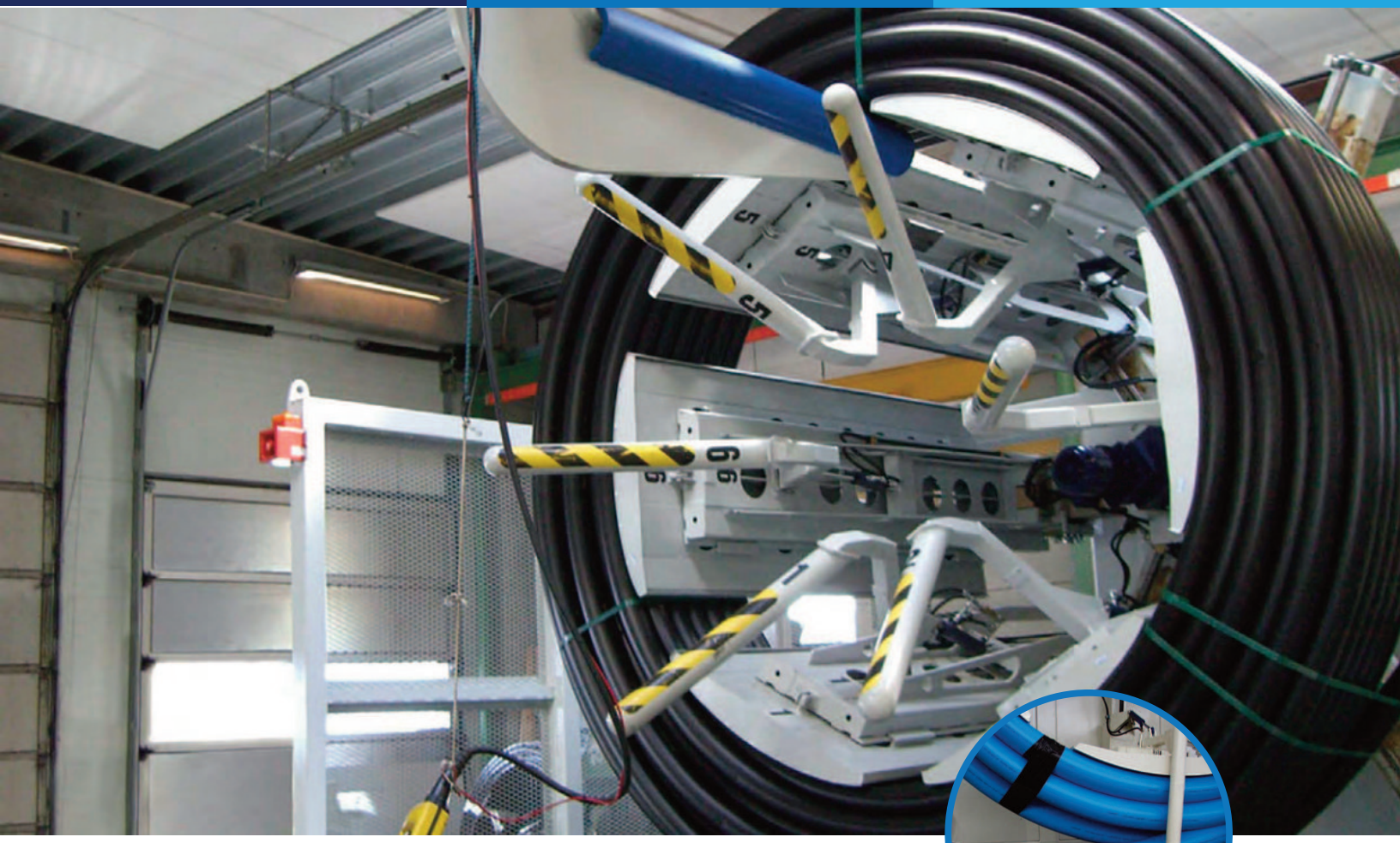

The Benefits of Low Ovality Technology:

- **Reduce Ovality by up to 60%**
  Eliminate the need for re-rounding on site making for easier jointing and improved joint integrity. Improves coil stability, minimizing coil failure during storage and risk of coil rejection by customer.
- **More Compact Coils**
  Standard lengths are coiled at smaller dimensions reducing transport costs by increasing the number of coils per truck and reducing the need for special low trailers. Longer lengths are coiled within existing dimensions reducing transport costs, number of joints per system, installation times and improving overall pipe integrity.
- **Coil Larger Diameter and Thinner Walled Pipes**
  Larger pipe diameters up to 8" can now be coiled in a road transportable pack size. Thin-wall pipes (SDR 21 and 26) may be coiled maintaining coil and pipe stability.

PIPE END RESTRAINER ARM

COIL ID POWERED ADJUSTMENT

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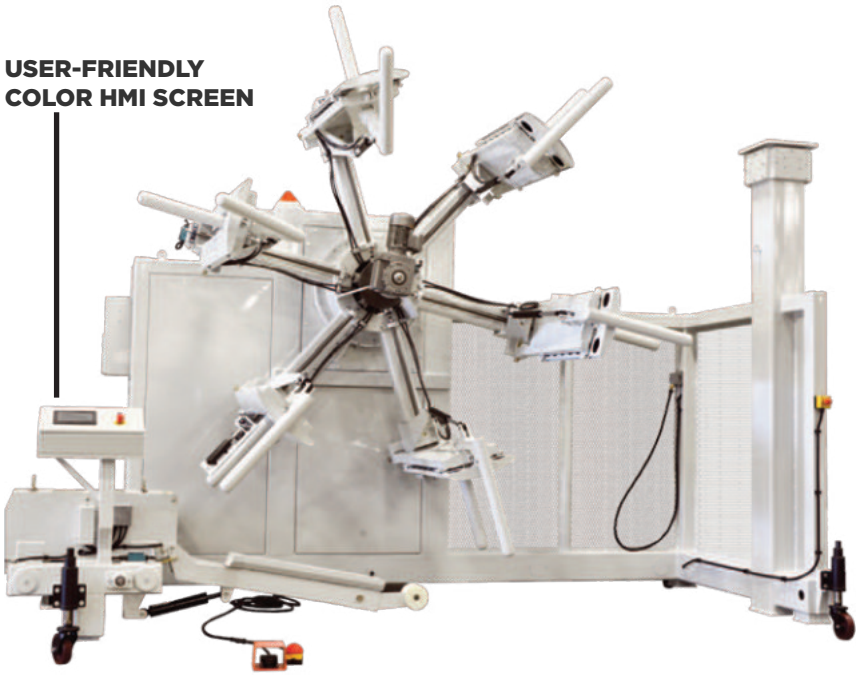
FULLY AUTOMATED STRAPPING

INTEGRATED COIL UNLOAD ARM

USER-FRIENDLY COLOR HMI SCREEN



POWERED COIL WHEEL EXPAND/ COLLAPSE

PIPE CONNECTOR QUICK RELEASE OPTION

ADJUSTABLE PIPE TRAVERSER GUIDE ROLLERS WITH PIPE PRESENT SENSORS

Standard Specifictions

Model	Pipe Sizes	ID Range	OD (max)	Width Range	Max Coil Weight
SPCO90LV	2" to 3"	48" to 70"	ID + 36"	6" to 28"	1,000 lbs
SPC125LV	2" to 4"	48" to 84"	ID + 40"	12" to 28"	2,500 lbs
SPC125WLV	2" to 4"	48" to 84"	ID + 40"	12" to 50"	3,500 lbs
SPC180LV	2" to 6"	48" to 96"	ID + 48"	16" to 36"	4,000 lbs
SPC180WLV	2" to 6"	48" to 96"	ID + 48"	24" to 50"	6,250 lbs
SPC250LV	2" to 8"	48" to 96"	ID + 48"	24" to 50"	6,250 lbs

All machines are available at varying levels of equipment and automation enabling the most cost effective solution to be specified for each application.

Suggested Minimum Coiling Ratios for HDPE Pipe

SDR	Standard Coiling	Low Ovality
9	14.00	10.30
11	15.00	11.10
17	17.75	13.20
17.6	18.00	13.30
21	20.19	16.60
26	25.20	22.00

Example Maximum Coil Lengths that can be Made on Reel Power Low Oval Coilers

Pipe Size	Max Length	Coiler Model
2"	2,500 ft	125LV
3"	2,000 ft	125WLV
4"	1,000 ft	180LV
6"	800 ft	180WLV
8"	400 ft	250LV

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Applications:

- HDPE Pipes
- Composite Pipes
- Drain Lines (Corrugated)
- Flowlines
- Reinforced Thermoplastic Pipes
- Oil & Gas Gathering Pipes
- Umbilical Cables
- Braided Rubber Hoses

Reel Power can also assist with road transportation trailer systems to handle these larger coil pack sizes.

Equipment For Plastic Pipe, Tube, Hose & Conduit Manufacturing:

- Automatic coiling equipment
- Semiautomatic coiling equipment
- Off-line coiling technology
- Low Ovality Technology
- Drum winding equipment
- Custom coiling solutions

Equipment For Subsea Umbilical, Flowline & Cable Manufacturing:

- Carousels, loading arms and tensioners
- Drum handling, moving and spooling equipment
- Drum take up & payoff stands
- Production machinery; S-Z lay machines, rotating taping heads, caterpillar haul-offs

Key Features Of The Reelpower Large Pipe Coilers:

Coiling head powered ID adjustment with interchangeable ID plates provides flexible coil sizes and improved coil size changeover convenience. Automatic pipe levelwind system with automatic stop at pipe end as standard Optional Semi Automatic and Fully Automatic Strapping/Banding systems Optional integrated unloading arm.

Subsea umbilical, flowline and cable installation:

- Cable tensioners & linear engines
- Carousels and loading arms
- Drum handling and spooling equipment
- Cable guides and transfer equipment

Low Ovality Technology allows pipe to be coiled at reduced core diameters to enable longer lengths to be wound within existing packaging dimensions without the risk of kinking or unacceptable product ovalization. The ability to coil and install longer lengths within the same coil overall dimension offers reduced transportation costs. Equally important, this is a reduction in installation cost and risk to pipeline integrity by reducing number of required joints over a given distance.

Integrated Coil Unloading Arm Systems are capable of handling coils to 10,000 lbs safely from coiling head to the storage frame where they can be collected while the machine continues with the next coil.

Semi Automatic and Fully Automatic Strapping/Banding allows the pipe to be efficiently and safely secured with programmable positioned intermittent straps and around the final layer during the coiling process, minimizing operator intervention.

WE SOLVE YOUR PROBLEMS

Our goal is to identify challenges, design innovative solutions and manufacture quality products that solve your problems. Our business is saving you time and money.

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