

XPSO-100X



Xpso-x bevel series (Economical, Intelligent, Efficient) Cnc full-automatic high speed metal round saw machine

Oblique cutting, economical efficiency, larger cutting diameter with size saw blade.
Cast fuselage, high rigidity, not easy to deform, long-term use to ensure accuracy.
High torque, high precision gear transmission, high efficiency and stability of cutting.
Equipped with backlash elimination mechanism, smooth transmission, noise-free cutting process, greatly improve tool life.

The main clamp adopts international popular three-point clamping, which is firm and reliable.
Three-dimensional feeding, avoid material impact damage, high-precision fixed-length feeding.
Automatic system, easy to understand, one-button operation, simple and fast.

Xpso-x bevel series (Economical, Intelligent, Efficient)
Cnc full-automatic high speed metal round saw machine

Parameters	Xpso-60x	Xpso-80x	Xpso-100x	Xpso-120x	Xpso-160x
Sawing ability					
Bar material / Round Tube ●(mm)	φ10-60	Φ20-80	Φ30-100	Φ30-120	Φ40-160
Angle material /square pipe ■ (mm)	10-42	10-55	30-70	30-85	40-112
Machine head device					
Saw blade specification (mm)	φ250*2.0T	φ285*2.0T	Φ330*2.0T	Φ360*2.25T	Φ460*2.7T
Spindle drive motor (kw)	5.5(4P)	7.5(4P)	11(4P)	13 (4p)	18.5 (4p)
Saw blade rotational speed (rpm)	40-160	40-160	4 0-140	40-140	40-140
Cut off the feeding method	Bevel feed (AC servo motor + ball screw + linear guide)				
Main clamp method	Hydraulic inclined and horizontal clamping 1set each				
Gear clearance compensation device	Through-shaft brake (pneumatic/magnetic powder)				
Saw blade deflection shockproof device	Tungsten carbide parallel block				
Cut to length feeding (GFC) mechanism					
Cut to length feedinging mode	AC servo motor + ball screw				
Feeding clamp mode	Horizontal hydraulic clamping				
End cut length (mm)	≥10				
Tail length (mm)	≥60	≥70	≥80	≥90	≥100
Single feed length (mm)	10-800	10-800	10-800	10-800	10-800
Loading rack parameters					
Allowable feeding length (mm)	2000-6000 (Customized loading rack is required for exceeding specifications)				
Feeding method	Pre-discharged hydraulic lift				
Hydraulic system					
Hydraulic drive motor (kw)	2.25 (4p)				
Hydraulic drive pressure (mpa)	7.0				
Hydraulic oil capacity (L)	110				
Size and weight					
Size (L*W*H) mm	6800*2000*2100	6900*2500*2500	7100*3000*3000	7200*3400*3000	7300*3600*3000
Weight (kg)	2100	3000	3500	3680	5280

Equipped & optional

Lubrication system	Manual cluster lubrication/automatic timed quantitative centralized lubrication
Divider	Pneumatic reciprocating/custom dispensers
Saw blade debris removal method	Passive round wire brush/active round wire brush
Chip removal device	Standard chip extractor/custom chip extractor
Oil mist recovery	Multi-stage filtering oil mist recovery machine
Electric control box heat exchanger	Closed high efficiency heat exchange system
Feeding device	Standard loading rack/cluster loading rack
Discharging long material receiving device	Customized on demand, online, offline, and robotic automatic palletizing and packaging

Xpso-x bevel series (Economical, Intelligent, Efficient) Cnc full-automatic high speed metal round saw machine

Parameters	Xpso-200x	Xpso-230x	Xpso-260x	Xpso-300x	Xpso-360x
Sawing ability					
Bar material / Round Tube ●(mm)	Φ80-200	Φ100-230	Φ130-260	Φ170-300	Φ200-360
Angle material /square pipe ■ (mm)	80-140	100-160	130-180	170-210	200-252
Machine head device					
Saw blade specification (mm)	Φ540*3.0T	Φ700*3.8T	Φ750*3.8T	Φ860*4.0T	Φ960*4.2T
Spindle drive motor (kw)	22(4P)	25(4P)	30(4P)	37 (4p)	45 (4p)
Saw blade rotational speed (rpm)	40-100	40-100	40-80	40-80	40-60
Cut off the feeding method	Bevel feed (AC servo motor + ball screw + linear guide)				
Main clamp method	Hydraulic inclined and horizontal clamping 1set each				
Gear clearance compensation device	Through-shaft brake (pneumatic/magnetic powder)				
Saw blade deflection shockproof device	Tungsten carbide parallel block				
Cut to length feeding (GFC) mechanism					
Cut to length feedinging mode	AC servo motor + ball screw				
Feeding clamp mode	Horizontal hydraulic clamping				
End cut length (mm)	≥10				
Tail length (mm)	≥130	≥130	≥130	≥130	≥130
Single feed length (mm)	10-1000	10-1000	10-1000	10-1000	10-1000

Loading rack parameters

Allowable feeding length (mm)	2000-6000 (Customized loading rack is required for exceeding specifications)				
Feeding method	Pre-discharged hydraulic lift				
Hydraulic system					
Hydraulic drive motor (kw)	3.75 (4p)				
Hydraulic drive pressure (mpa)	9.0				
Hydraulic oil capacity (L)	150				
Size and weight					
Size (L*W*H) mm	7400*3700*3100	8000*4000*3500	10300*4600*4000	12300*4600*4000	15300*4600*4500
Weight (kg)	7500	10000	12000	13600	15500
Equipped & optional					
Lubrication system	Manual cluster lubrication/automatic timed quantitative centralized lubrication				
Divider	Pneumatic reciprocating/custom dispensers				
Saw blade debris removal method	Passive round wire brush/active round wire brush				
Chip removal device	Standard chip extractor/custom chip extractor				
Oil mist recovery	Multi-stage filtering oil mist recovery machine				
Electric control box heat exchanger	Closed high efficiency heat exchange system				
Feeding device	Standard loading rack/cluster loading rack				
Discharging long material receiving device	Customized on demand, online, offline, and robotic automatic palletizing and packaging				

XPSO-150PS



Xpso-ps Servo Flat Cutting Series (More Efficient, Smarter, Smoother) Cnc full-automatic high speed metal round saw machine

The spindle is servo driven, the speed control is precise and responsive, and it can be adjusted according to the complex sawing requirements of different materials.

Flat push cutting, stable structure, durable and highly reliable, The cast body and high rigidity are not easy to deform, and long-term use ensures accuracy.

High torque and high-precision gear transmission, cutting is efficient and stable. Equipped with backlash elimination mechanism, smooth transmission, no noise during the cutting process, greatly improve tool life.

The main clamp adopts the international popular three-point clamping, which is firm and reliable in clamping.

Three-dimensional feeding, avoid material impact damage, high-precision fixed size feeding.

Fully automatic system, convenient and easy to understand, one-click operation, simple and fast.

Xpso-ps Servo Flat Cutting Series (More Efficient, Smarter, Smoother)

Cnc full-automatic high speed metal round saw machine

Parameters	Xpso-50ps	Xpso-70ps	Xpso-80ps	Xpso-100ps	Xpso-120ps
Sawing ability					
Bar material / Round Tube ●(mm)	φ10-50	Φ10-70	Φ10-80	Φ20-100	Φ40-120
Angle material /square pipe ■ (mm)	10-35	10-55	10-60	20-85	40-100
Machine head device					
Saw blade specification (mm)	φ250*2.0T	φ285*2.0T	Φ300*2.0T	Φ360*2.6T	Φ425*2.7T
Spindle drive motor (kw)	4 (Servo motor)	7.5(Servo motor)	7.5(Servo motor)	11 (Servo motor)	13 (Servo motor)
Saw blade rotational speed (rpm)	20-200	20-200	20-180	20-160	20-160
Cut off the feeding method	Bevel feed (AC servo motor + ball screw + linear guide)				
Main clamp method	Hydraulic inclined and horizontal clamping 1set each				
Gear clearance compensation device	Through-shaft brake (pneumatic/magnetic powder)				
Saw blade deflection shockproof device	Tungsten carbide parallel block				
Cut to length feeding (GFC) mechanism					
Cut to length feedinging mode	AC servo motor + ball screw				
Feeding clamp mode	Horizontal hydraulic clamping				
End cut length (mm)	≥10				
Tail length (mm)	≥60	≥70	≥80	≥90	≥100
Single feed length (mm)	10-800	10-800	10-800	10-800	10-800
Loading rack parameters					
Allowable feeding length (mm)	2000-6000 (Customized loading rack is required for exceeding specifications)				
Feeding method	Pre-discharged hydraulic lift				
Hydraulic system					
Hydraulic drive motor (kw)	3.75 (4p)				
Hydraulic drive pressure (mpa)	7.0				
Hydraulic oil capacity (L)	110				
Size and weight					
Size (L*W*H) mm	6800*2000*2000	7200*2600*2500	7200*2700*2500	7200*3400*2500	7300*3400*2500
Weight (kg)	2800	3500	3600	4300	4500

Equipped & optional

Lubrication system	Automatic timing quantitative centralized lubrication
Divider	Pneumatic reciprocating/custom dispensers
Saw blade debris removal method	Active round wire brush
Chip removal device	Standard chip extractor/custom chip extractor
Oil mist recovery	Multi-stage filtering oil mist recovery machine
Electric control box heat exchanger	Closed high efficiency heat exchange system
Feeding device	Standard loading rack/cluster loading rack
Discharging long material receiving device	Customized on demand, online, offline, and robotic automatic palletizing and packaging

Xpso-ps Servo Flat Cutting Series (More Efficient, Smarter, Smoother) Cnc full-automatic high speed metal round saw machine

Parameters	Xpso-150ps	Xpso-200ps	Xpso-230ps	Xpso-260ps	Xpso-300ps
Sawing ability					
Bar material / Round Tube ●(mm)	Φ40-150	Φ80-200	Φ100-230	Φ150-260	Φ200-300
Angle material /square pipe ■ (mm)	40-130	80-150	100-230	150-195	200-252
Machine head device					
Saw blade specification (mm)	Φ460*2.7T	Φ630*3.4T	Φ750*3.8T	Φ860*4.0T	Φ960*4.2T
Spindle drive motor (kw)	18.5(Servo motor)	22(Servo motor)	25(Servo motor)	30(Servo motor)	37(Servo motor)
Saw blade rotational speed (rpm)	10-150	10-130	10-110	10-100	10-90
Cut off the feeding method	Bevel feed (AC servo motor + ball screw + linear guide)				
Main clamp method	Hydraulic inclined and horizontal clamping 1set each				
Gear clearance compensation device	Through-shaft brake (pneumatic/magnetic powder)				
Saw blade deflection shockproof device	Tungsten carbide parallel block				
Cut to length feeding (GFC) mechanism					
Cut to length feedinging mode	AC servo motor + ball screw				
Feeding clamp mode	Horizontal hydraulic clamping				
End cut length (mm)	≥10				
Tail length (mm)	≥130	≥130	≥130	≥130	≥130
Single feed length (mm)	10-1000	10-1000	10-1000	10-1000	10-1000

Loading rack parameters

Allowable feeding length (mm)	2000-6000 (Customized loading rack is required for exceeding specifications)				
Feeding method	Pre-discharged hydraulic lift				
Hydraulic system					
Hydraulic drive motor (kw)	5.5 (4p)				
Hydraulic drive pressure (mpa)	9.0				
Hydraulic oil capacity (L)	150				
Size and weight					
Size (L*W*H) mm	7400*4200*3000	8000*4600*3000	8000*4600*3000	11000*4800*3000	11000*4800*3000
Weight (kg)	7900	10000	12000	13600	15500
Equipped & optional					
Lubrication system	Automatic timing quantitative centralized lubrication				
Divider	Pneumatic reciprocating/custom dispensers				
Saw blade debris removal method	Active round wire brush				
Chip removal device	Standard chip extractor/custom chip extractor				
Oil mist recovery	Multi-stage filtering oil mist recovery machine				
Electric control box heat exchanger	Closed high efficiency heat exchange system				
Feeding device	Standard loading rack/cluster loading rack				
Discharging long material receiving device	Customized on demand, online, offline, and robotic automatic palletizing and packaging				

XPSO-200XS



Xpso-x bevel series (Economical, Intelligent, Efficient) Cnc full-automatic high speed metal round saw machine

The spindle is servo driven, the speed control is precise and responsive, and it can be adjusted according to the complex sawing requirements of different materials. Oblique push cutting, economic efficiency, and larger cutting diameter of the same size saw blade.

The cast body and high rigidity are not easy to deform, and long-term use ensures accuracy.

High torque and high-precision gear transmission, cutting is efficient and stable.

Equipped with backlash elimination mechanism, smooth transmission, no noise during the cutting process, greatly improve tool life. The main clamp adopts the international popular three-point clamping, which is firm and reliable in clamping.

Three-dimensional feeding, avoid material impact damage, high-precision fixed size feeding. Fully automatic system, convenient and easy to understand, one-click operation, simple and fast.

Xpso-x bevel series (Economical, Intelligent, Efficient)
Cnc full-automatic high speed metal round saw machine

Parameters	Xpso-60xs	Xpso-80xs	Xpso-100xs	Xpso-120xs	Xpso-160xs
Sawing ability					
Bar material / Round Tube ●(mm)	φ10-60	Φ20-80	Φ30-100	Φ30-120	Φ40-160
Angle material /square pipe ■ (mm)	10-42	10-55	30-70	30-85	40-112
Machine head device					
Saw blade specification (mm)	φ250*2.0T	φ285*2.0T	Φ330*2.0T	Φ360*2.25T	Φ460*2.7T
Spindle drive motor (kw)	5.5 (Servo motor)	7.5 (Servo motor)	11 (Servo motor)	13 (Servo motor)	18.5 (Servo motor)
Saw blade rotational speed (rpm)	20-200	20-200	20-180	20-160	20-160
Cut off the feeding method	Bevel feed (AC servo motor + ball screw + linear guide)				
Main clamp method	Hydraulic inclined and horizontal clamping 1set each				
Gear clearance compensation device	Through-shaft brake (pneumatic/magnetic powder)				
Saw blade deflection shockproof device	Tungsten carbide parallel block				
Cut to length feeding (GFC) mechanism					
Cut to length feedinging mode	AC servo motor + ball screw				
Feeding clamp mode	Horizontal hydraulic clamping				
End cut length (mm)	≥10				
Tail length (mm)	≥60	≥70	≥80	≥90	≥100
Single feed length (mm)	10-800	10-800	10-800	10-800	10-800
Loading rack parameters					
Allowable feeding length (mm)	2000-6000 (Customized loading rack is required for exceeding specifications)				
Feeding method	Pre-discharged hydraulic lift				
Hydraulic system					
Hydraulic drive motor (kw)	3.75 (4p)				
Hydraulic drive pressure (mpa)	7.0				
Hydraulic oil capacity (L)	110				
Size and weight					
Size (L*W*H) mm	6800*2000*2100	6900*2500*2500	7100*3000*3000	7200*3400*3000	7300*3600*3000
Weight (kg)	2100	3000	3500	3680	5280

Equipped & optional

Lubrication system	Automatic timing quantitative centralized lubrication
Divider	Pneumatic reciprocating/custom dispensers
Saw blade debris removal method	Active round wire brush
Chip removal device	Standard chip extractor/custom chip extractor
Oil mist recovery	Multi-stage filtering oil mist recovery machine
Electric control box heat exchanger	Closed high efficiency heat exchange system
Feeding device	Standard loading rack/cluster loading rack
Discharging long material receiving device	Customized on demand, online, offline, and robotic automatic palletizing and packaging

Xpso-x bevel series (Economical, Intelligent, Efficient) Cnc full-automatic high speed metal round saw machine

Parameters	Xpso-200xs	Xpso-230xs	Xpso-260xs	Xpso-300xs	Xpso-360xs
Sawing ability					
Bar material / Round Tube ●(mm)	Φ80-200	Φ100-230	Φ130-260	Φ170-300	Φ200-360
Angle material /square pipe ■ (mm)	80-140	100-160	130-180	170-210	200-252
Machine head device					
Saw blade specification (mm)	Φ540*3.0T	Φ700*3.8T	Φ750*3.8T	Φ860*4.0T	Φ960*4.2T
Spindle drive motor (kw)	22 (Servo motor)	25 (Servo motor)	30 (Servo motor)	37 (Servo motor)	45 (Servo motor)
Saw blade rotational speed (rpm)	10-150	10-130	10-110	10-100	10-90
Cut off the feeding method	Bevel feed (AC servo motor + ball screw + linear guide)				
Main clamp method	Hydraulic inclined and horizontal clamping 1set each				
Gear clearance compensation device	Through-shaft brake (pneumatic/magnetic powder)				
Saw blade deflection shockproof device	Tungsten carbide parallel block				
Cut to length feeding (GFC) mechanism					
Cut to length feedinging mode	AC Servo motor + ball screw				
Feeding clamp mode	AC servo motor + ball screw				
End cut length (mm)	Horizontal hydraulic clamping				
Tail length (mm)	≥130	≥130	≥130	≥130	≥130
Single feed length (mm)	10-1000	10-1000	10-1000	10-1000	10-1000

Loading rack parameters

Allowable feeding length (mm)	2000-6000 (Customized loading rack is required for exceeding specifications)				
Feeding method	Pre-discharged hydraulic lift				
Hydraulic system					
Hydraulic drive motor (kw)	5.5 (4p)				
Hydraulic drive pressure (mpa)	9.0				
Hydraulic oil capacity (L)	150				
Size and weight					
Size (L*W*H) mm	7400*3700*3100	8000*4000*3500	10000*4600*4000	11000*4600*4000	11000*4600*4500
Weight (kg)	7500	10000	12000	13600	15500
Equipped & optional					
Lubrication system	Automatic timing quantitative centralized lubrication				
Divider	Pneumatic reciprocating/custom dispensers				
Saw blade debris removal method	Active round wire brush				
Chip removal device	Standard chip extractor/custom chip extractor				
Oil mist recovery	Multi-stage filtering oil mist recovery machine				
Electric control box heat exchanger	Closed high efficiency heat exchange system				
Feeding device	Standard loading rack/cluster loading rack				
Discharging long material receiving device	Customized on demand, online, offline, and robotic automatic palletizing and packaging				

XPSO-260P



Xpso-p Flat Cutting Series (Efficient, Intelligent, Smooth) CNC full-automatic high speed metal round saw machine

Flat push cutting, stable structure, durable and highly reliable.

The cast body and high rigidity are not easy to deform, and long-term use ensures accuracy.

High torque and high-precision gear transmission, cutting is efficient and stable.

Equipped with backlash elimination mechanism, smooth transmission, no noise during the cutting process, greatly improve tool life.

The main clamp adopts the international popular three-point clamping, which is firm and reliable in clamping.

Three-dimensional feeding, avoid material impact damage, high-precision fixed size feeding.

Fully automatic system, convenient and easy to understand, one-click operation, simple and fast.

Xpso-p Flat Cutting Series (Efficient, Intelligent, Smooth) CNC full-automatic high speed metal round saw machine

Parameters	Xpso-50p	Xpso-70p	Xpso-80p	Xpso-100p	Xpso-120p
Sawing ability					
Bar material / Round Tube ●(mm)	φ10-50	Φ10-70	Φ10-80	Φ20-100	Φ40-120
Angle material /square pipe ■ (mm)	10-35	10-55	10-60	20-85	40-100
Machine head device					
Saw blade specification (mm)	φ250*2.0T	φ285*2.0T	Φ300*2.0T	Φ360*2.6T	Φ425*2.7T
Spindle drive motor (kw)	4(4P)	7.5(4P)	7.5(4P)	11 (4p)	13 (4p)
Saw blade rotational speed (rpm)	40-160	40-160	40-160	40-140	40-140
Cut off the feeding method	Bevel feed (AC servo motor + ball screw + linear guide)				
Main clamp method	Hydraulic inclined and horizontal clamping 1set each				
Gear clearance compensation device	Through-shaft brake (pneumatic/magnetic powder)				
Saw blade deflection shockproof device	Tungsten carbide parallel block				
Cut to length feeding (GFC) mechanism					
Cut to length feedinging mode	Servo motor + ball screw				
Feeding clamp mode	Horizontal hydraulic clamping				
End cut length (mm)	≥10				
Tail length (mm)	≥50	≥70	≥80	≥90	≥100
Single feed length (mm)	10-800	10-800	10-800	10-800	10-800
Loading rack parameters					
Allowable feeding length (mm)	2000-6000 (Customized loading rack is required for exceeding specifications)				
Feeding method	Pre-discharged hydraulic lift				
Hydraulic system					
Hydraulic drive motor (kw)	2.25 (4p)				
Hydraulic drive pressure (mpa)	7.0				
Hydraulic oil capacity (L)	110				
Size and weight					
Size (L*W*H) mm	6800*2000*2000	7200*2600*2500	7200*2700*2500	7200*3400*2500	7300*3400*2500
Weight (kg)	2800	3500	3600	4300	4500

Equipped & optional

Lubrication system	Manual cluster lubrication/automatic timing quantitative centralized lubrication
Divider	Pneumatic reciprocating/custom dispensers
Saw blade debris removal method	Passive round wire brush/active round wire brush
Chip removal device	Standard chip extractor/custom chip extractor
Oil mist recovery	Multi-stage filtering oil mist recovery machine
Electric control box heat exchanger	Closed high efficiency heat exchange system
Feeding device	Standard loading rack/cluster loading rack
Discharging long material receiving device	Customized on demand, online, offline, and robotic automatic palletizing and packaging

Xpso-p Flat Cutting Series (Efficient, Intelligent, Smooth) CNC full-automatic high speed metal round saw machine

Parameters	Xpso-150p	Xpso-200p	Xpso-230p	Xpso-260p	Xpso-300p
Sawing ability					
Bar material / Round Tube ●(mm)	Φ40-150	Φ80-200	Φ100-230	Φ150-260	Φ200-300
Angle material /square pipe ■ (mm)	40-130	80-150	100-230	150-195	200-252
Machine head device					
Saw blade specification (mm)	Φ460*2.7T	Φ630*3.4T	Φ750*3.8T	Φ860*4.0T	Φ960*4.2T
Spindle drive motor (kw)	18.5(4P)	22(4P)	25(4P)	30 (4p)	37 (4p)
Saw blade rotational speed (rpm)	40-100	40-100	40-80	40-60	40-60
Cut off the feeding method	Bevel feed (AC servo motor + ball screw + linear guide)				
Main clamp method	Hydraulic inclined and horizontal clamping 1set each				
Gear clearance compensation device	Through-shaft brake (pneumatic/magnetic powder)				
Saw blade deflection shockproof device	Tungsten carbide parallel block				
Cut to length feedining (GFC) mechanism					
Cut to length feeding mode	Servo motor + ball screw				
Feeding clamp mode	Horizontal hydraulic clamping				
End cut length (mm)	≥10				
Tail length (mm)	≥130	≥130	≥130	≥130	≥130
Single feed length (mm)	10-1000	10-1000	10-1000	10-1000	10-1000

Loading rack parameters

Allowable feeding length (mm)	2000-6000 (Customized loading rack is required for exceeding specifications)				
Feeding method	Pre-discharged hydraulic lift				
Hydraulic system					
Hydraulic drive motor (kw)	3.75 (4p)				
Hydraulic drive pressure (mpa)	9.0				
Hydraulic oil capacity (L)	150				
Size and weight					
Size (L*W*H) mm	7400*4200*3000	8000*4600*3000	8000*4600*3000	11000*4800*3000	11000*4800*3000
Weight (kg)	7900	10000	12000	13600	15500
Equipped & optional					
Lubrication system	Manual cluster lubrication/automatic timing quantitative centralized lubrication				
Divider	Pneumatic reciprocating/custom dispensers				
Saw blade debris removal method	Passive round wire brush/active round wire brush				
Chip removal device	Standard chip extractor/custom chip extractor				
Oil mist recovery	Multi-stage filtering oil mist recovery machine				
Electric control box heat exchanger	Closed high efficiency heat exchange system				
Feeding device	Standard loading rack/cluster loading rack				
Discharging long material receiving device	Customized on demand, online, offline, and robotic automatic palletizing and packaging				



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