Equipment Characteristics

- **1500W Laser Welding Station**
  Equipped with a dedicated welding torch for stable, highstrength welds.
- **Industrial Camera**
  Provides real–time monitoring of the welding process.
- **Adjustable Laser Welding Technology**
  We ensure efficient, stable, and long–lasting welding results for you.
- **Shear Technology**
  Adopting precise positioning to ensure the welding accuracy of the butt weld.
- **Welding Leveling Technology**
  Ensures a clean appearance after welding.
- **Efficient and Stable Welding Time**
  Meet production requirements.
- **Intuitive operation interface and user–friendly design**
  Allow your operators to quickly get started and operate easily.
- **Energy–saving Technology**
  Adopting advanced energy–saving technologies to effectively reduce energy consumption and mini–mize environmental impact, achieving green production.
- **High quality welding effect**
  Meeting the needs of various aluminum strip thicknesses of 0.2–0.5mm, and continuous, efficient and stable production.

Product Parameters

Product Name	Cutting/Welding Integrated Machine		
Model	KS–A32	SL–B32	SL–C75
Weld/Shear Length (mm)	130	40–120	40–210
Material Thickness (mm)	0.15–0.5	Aluminum:0.15 – 0.4 Stainless Steel / Steel:0.15 – 0.25	Aluminum:0.15 – 0.8 Stainless Steel / Steel:0.15 – 0.3
Material	Aluminum	Aluminum, Stainless Steel, Steel，Strip materials	
Laser Power(V)	1.5KW	1.5KW	2KW
Air Pressure(Mpa)	0.5–0.7	≥0.5	≥0.5
Dimensions(mm)	1120x950x1800	1300x880x1700	850x850x1700
Net Weight(kg)	500	250	280

High Speed Butt Welding PEX-AL-PEX Composite Pipe Extrusion Line

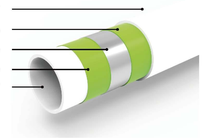
Equipment Characteristics

- Specialized cross–linking extruder and inner pipe die head
- High speed aluminum strip forming device and reliable welding device
- More energy–efficient and efficient aluminum tube high–frequency heating device
- Laser butt welding connecter as high–quality for choosing
- Fully automatic packing and winding machine for choosing

Product Parameters

Type	Pipe Size(mm)	Max.Speed(m/min)	Total Power(kw)	Total Length(m)
SLAP–YA32	16–32	18	260	56
SLAP–YA32H	16–32	30	350	80
SLAP–YA63	40–63	8	300	60
SLAP–YA110	75–110	3	350	85

Five Multi Layers Structure



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SHUANGLIN MACHINE

COMPOSITION & GREEN RECYCLE

For Aluminum-plastic Composite Pipe &
Multi-layer Pipe Recyclable and Sustainable

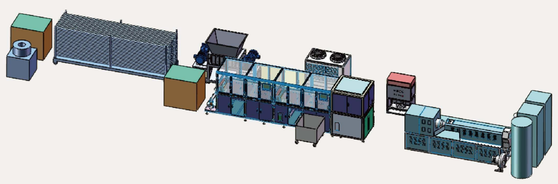
SHUANGLIN 双林机械

Designed for Multi-layer Pipe Recyclable and Sustainable

Intelligent Device

Green Recycling Multi-layer Pipe

The "Green Composition" technology effectively solves the long–standing challenge of recycling multi–layer aluminum plastic pipes. By employing tailored separation techniques, particularly the efficient and clean Multi–Stage Physical Cut–Heat process, it achieves complete separation of plastics and aluminum in reusable, valuable forms. Alumi–num–plastic composition pipe separation,also can be applied on cooperplastic pipe and wires industry.



Multi-layer Pipe • Recycling • Aluminum-plastic Separation • Plastic Reuse

Recycling Effect

Recycled Plastic | Aluminum strips | Aluminum blocks

(Future work will focus on adapting the technology for Copper–plastic composites and Steel plastic composites.)

Designed for Multi-layer Pipe Recyclable and Sustainable

Designed for Thermoplastic Pipe

Intelligent Device

Smart Crushing & Sorting Machine

It is used to crush thermoplastic pipes such as pressure–compensating drip irrigation pipes, cylindrical drip irrigation pipes, PE pipes, PPR pipes, PERT pipes, etc., to complete the perfect separation of silicone and plastic. The unique design achieves the perfect separation of between the main body of the pressure–compensating drip irrigation pipes and the silicone gel sheet, which greatly improves the reuse value of recycled PE materials.

Silent • Auto Feeding • Speed Flex • Power Saving • Dust Free • Mobilizing

Crushing Effect

PERT–AL–PERT 16mm | PE–AL–PE 16mm | PERT 16mm | HDPE 32mm | PPR 32mm | PE Irrigation Pipe 16mm

(One for all！10–32 mm plastic and PAP pipes.)

Designed for Thermoplastic Pipe,PE/PP/PERT/PAP, etc.

Equipment Characteristics

- **Efficient crushing，dust–free and chip–free**
  Processing capacity: It can crush all kinds of plastic pipes with a diameter of ≤32mm and a thickness of 0.5–3mm.
  Crushing Effect: Crushes the pipe into regular pieces (no burrs, no drawing), which can be directly used for extrusion produc–tion, or regenerated granulation.
- **Intelligent design, saving time and labor work**
  Fully automatic operation: whether it is a coil or a straight pipe, the intelligent feeding system starts up immediately after the pipe enters the inlet, and the machine will automatically starts up upon contact, and stops at no load to reduce energy consumption.
  Modular construction: Upper (precision tool set, 304 stainless steel, wear resistance, long life.)、Lower (drawer–type Fuma wheel box, suitable for ton bag/woven bag, one–key bagging, no leakage.)
- **Flexible mobilization for Machine and material trolly**
  Portable design: The whole machine is equipped with a universal Fuma wheel, which can be moved freely in the workshop without fixed installation, saving the temporary storage space of waste materials.
  Low noise and environmental protection: 7KW high–performance motor, operating noise ≤ 70 dB, no dust pollution, in line with green factory standards.
- **Cost–effective, multi–purpose**
  Energy consumption comparison: the power consumption of traditional crushers is 30KW, and the SLQP series is only 7KW, saving more than 80%.
  Cost advantage: directly producing usable granules (SLQL model), saving the granulation link, and reducing the processing cost by 600–800 yuan per ton.
  One for all: It can be used to crush pipes of PE, PP, PERT, PEX , PE–AL–PE, PPR–AL–PPR and other bar shape plastic materials.

Product Parameters

Product Name	Crushing and Sorting Machine	
Model	SLQD–100	SLQD–100S
Processing power(kg/h)	200–400 (Production capacity increases with wall thickness)	
Output Size(mm)	5–8 uniform fragments	
Applicable Materials	Thermoplastic Pipes (Drip Irrigation、PE、PVC、PP、PERT、PEX, etc.)	Separate silica rubber from pressure compensation irrigation pipe
Container capacity(L)	700	700
Rated Power(kw)	8	10
Dimensions(mm)	1500x1500x2000	2000x1500x2000
Net Weight(kg)	800	900

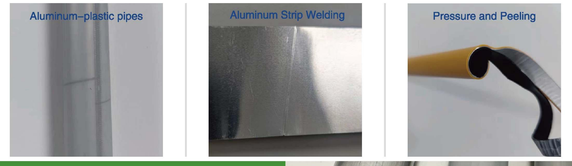
Designed for Aluminum-plastic Pipe

Intelligent Device

Cutting/Welding Integrated Machine

Specifically designed for aluminum–plastic pipe extrusion lines, this automated equipment integr–ates high–precision aluminum strip shearing with advanced laser butt welding.This equipment brings you efficient, accurate, and stable welding effects, mainly used for splicing aluminum strip thin mate–rials, steel strips, and steel sheets. It is widely used in aluminum plastic pipe production lines, high–speed stamping lines, steel strip slitting lines, form machine lines, etc. Whether you are in plastic pipe manufacturing or industrial manufacturing work, we can meet your diverse needs.

Welding Effect



High quality welding effect, meeting the needs of various aluminum strip thicknesses of 0.15– 0.5mm, and continuous, efficient and stable production.

Designed for Aluminum-plastic Composite Pipe Extrusion Lines