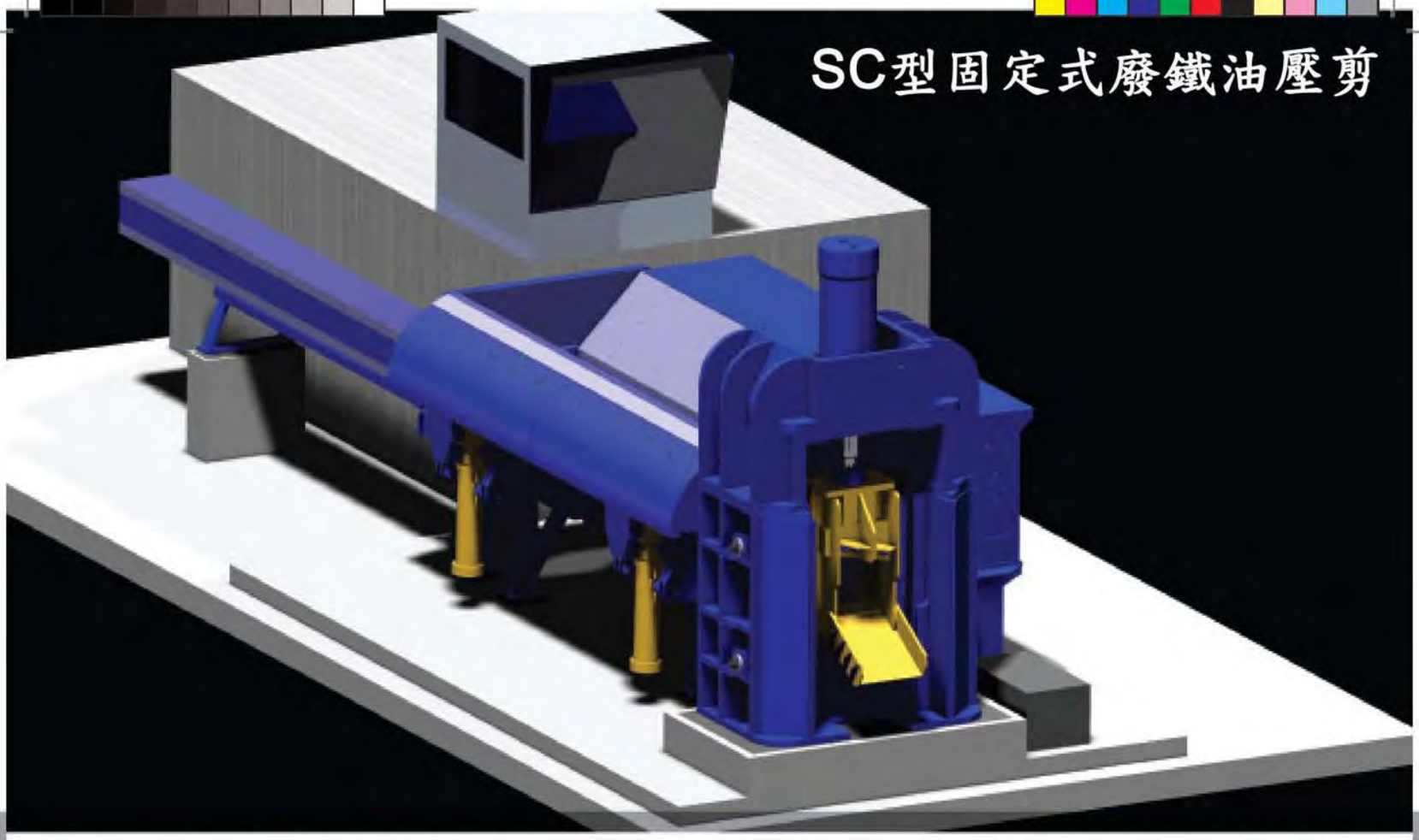

SC型固定式廢鐵油壓剪

Side Compression Shear 旁邊壓縮油壓剪

Processes:

Steel Mill Scrap

Pipe and Plate

No. 1 Heavy Melting Scrap

No. 2 Heavy Melting Scrap

Selected sections of freight cars and ship scrap.

gone back to the drawing board and reinvented a better shear that provides higher performance and reduced energy usage, utilizing Harris' patent-pending EHD (Efficient Hydro-Dynamic) hydraulic system design, all while reducing your maintenance downtime - keeping your operation running smoothly.

Side Compression Shear 旁邊壓縮油壓剪

STANDARD FEATURES 標準特性

PERFORMANCE 性能

- High Pressure 345 bar System
- High Flows Up to 6050 lpm
- 4-8 cuts per minute (dry cycle)

POWER UNIT 油壓單元

- Each Pump / Motor Group produces 1200 lpm @ 2300 RPM (40 bar)
- Power Unit Options:
  - 4 motor (375 kW) 4845 lpm
  - 5 motor (465 kW) 6050 lpm
- Patent Pending EHD Motor-Pump Drive
- Dual Filtration / Cooler Circuit – with online particle monitoring.
- Compact Design – ships as fully tested, single unit.

EFFICIENT HYDRO-DYNAMICS (EHD) 油壓動力學效率(EHD)

- Facilitates higher flows by varying motor and pump speed up to 2300 rpm:
  - 30% Higher Flow - Domestic
  - 59% Higher Flow – International
- Reduce energy demand by up to 50 percent.
- Allows cylinder Acceleration/ Deceleration Control: Energy Efficient – motors set to idle when not in use (more efficient than soft start).

MACHINE PIPING 機械管路

- Large diameter, heavy-walled, mechanical pipe rated for high flows at high pressure.
- Bolted pipe connections
- Weld free – no scale
- Alloy steel pipe
- CNC bending

SHEAR FRAME 油壓剪框架

- Same knives and knife seats are used in both the Crosshead and Fixed locations.
- Very robust interlocking plate design for enhanced rigidity, strength, ease of maintenance and operation.
- Welded interlocking plate-to-plate joints for improved load resistance.
- Innovative Crosshead / Chute interface to guide movement of sheared scrap.
- Chute is mechanically driven by motion of Crosshead.
- Limits vertical free fall of sheared scrap to reduce wear rates to exposed surfaces.
- Controls flow of sheared scrap to minimize spillage.
- Harris (BSH) style knife adjustment mechanisms.

CROSSHEAD AND CLAMP 聯桿器和夾具

- Double trapezoidal design provides improved distribution of loads throughout shear frame.
- Crosshead bends material prior to shearing in order to reduce required shear load.
- Composite self-lubricating bearing pads guide Crosshead and Clamp throughout range of motion.
- Wear Liner plates in Crosshead and Clamp throat are replaceable without removing Crosshead or Clamp from shear.
- Clamp is designed to reduce jamming by limiting scrap migration into the guides.