

MULTIFUNCTIONAL **SHEAR III**

CONTROLLED DEMOLITION. MINIMAL IMPACT

An exceptional power-to-weight ratio in a compact, handheld tool for the most demanding demolition and dismantling operations — **where conventional solutions reach their limits.**



EXTREME POWER



VERSATILE USE



EASY TO USE



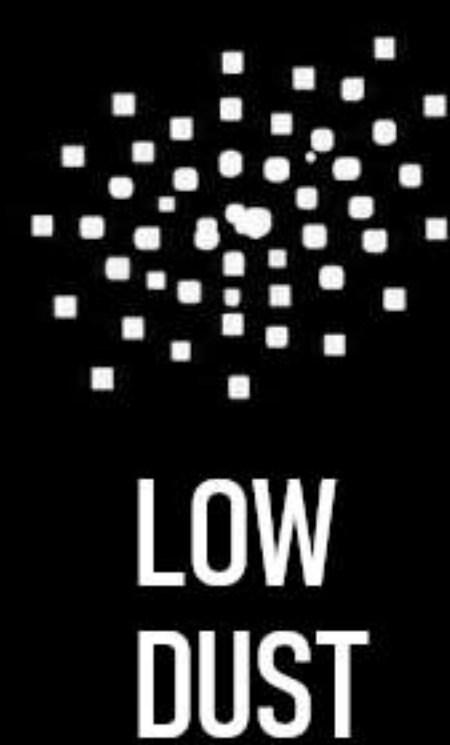
BUILT TO LAST



WHEN CONVENTIONAL SOLUTIONS REACH THEIR LIMITS

When noise, vibration and dust need to be kept to a minimum, when access is restricted, or when surrounding structures and environments must be protected, the TEHMA Multifunctional Shear provides a powerful, precisely controlled hydraulic solution where conventional methods are difficult to use.

Break, cut and separate with power and precision—while minimizing the impact on the surrounding environment.



ENGINEERED FOR DEMANDING WORK

- 01** FAST JAW APPROACH & REOPENING
Faster working cycles for greater productivity.
- 02** HIGH-GRADE ALUMINIUM ALLOY BODY & COMPONENTS
High strength with minimum weight.
- 03 - 05** EXTREMELY HARD & WEAR-RESISTANT INTERCHANGEABLE PARTS
Long-lasting performance in demanding applications.
- 04** DOUBLE-TOOTHED BLADE WITH THREADED CHAIN ATTACHMENT
Secure material handling and greater versatility in demanding cutting applications
- 06** ERGONOMIC HANDLE
Better grip and precise handling in any working position.



BUILT TO PERFORM DESIGNED FOR THE TOUGHEST SITUATIONS

TEHMA develops high-performance handheld hydraulic tools for professionals working in demanding conditions.

We design solutions for situations where conventional methods are no longer the best choice, enabling professionals to work with greater effectiveness, precision, productivity and reliability.



ONE HYDRAULIC PLATFORM. MULTIPLE CONFIGURATIONS

A modular hydraulic platform based on a single hydraulic body and interchangeable jaws, allowing the tool to adapt to different work requirements.

CONTROLLED DEMOLITION

CC300 — CONCRETE CRUSHER

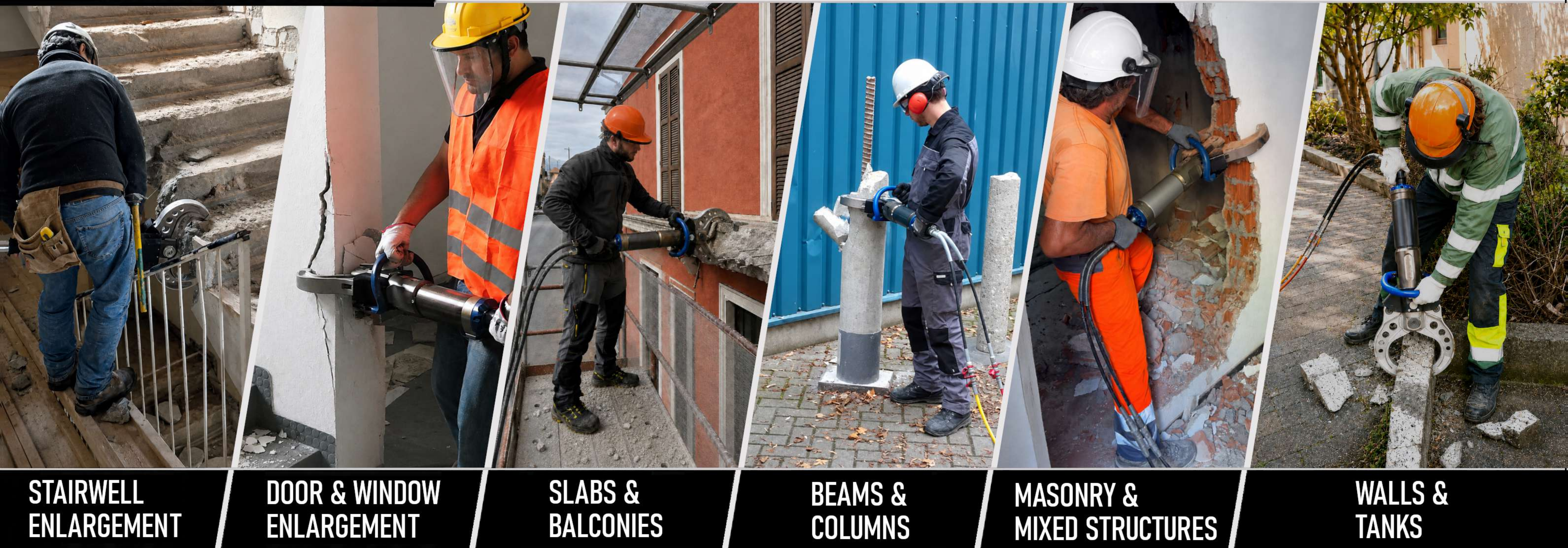
Powerful and precise demolition of reinforced concrete, masonry and mixed stone-and-concrete structures, including walls, slabs, columns, stairways and other structural elements.

UP TO 250 MM

The only tool on the market below 25 kg capable of demolishing concrete sections up to 250 mm.



// TYPICAL DEMOLITION APPLICATIONS



STAIRWELL
ENLARGEMENT

DOOR & WINDOW
ENLARGEMENT

SLABS &
BALCONIES

BEAMS &
COLUMNS

MASONRY &
MIXED STRUCTURES

WALLS &
TANKS

// WHERE IT MAKES THE DIFFERENCE



PRESERVE STRUCTURES

Minimizing dangerous vibrations in sensitive or potentially unstable structures, including historical buildings, luxury apartments and structures at risk of collapse.



FAST & CLEAN INTERVENTION

Minimizing dust in hospitals, data centers, production areas and other sensitive environments; also ideal where noise restrictions must be respected, including apartments, offices and schools.



LIMITED ACCESS & PORTABILITY

Ideal where access, portability or working space are limited, including upper floors, aerial platforms and confined spaces where larger and heavier equipment cannot operate.



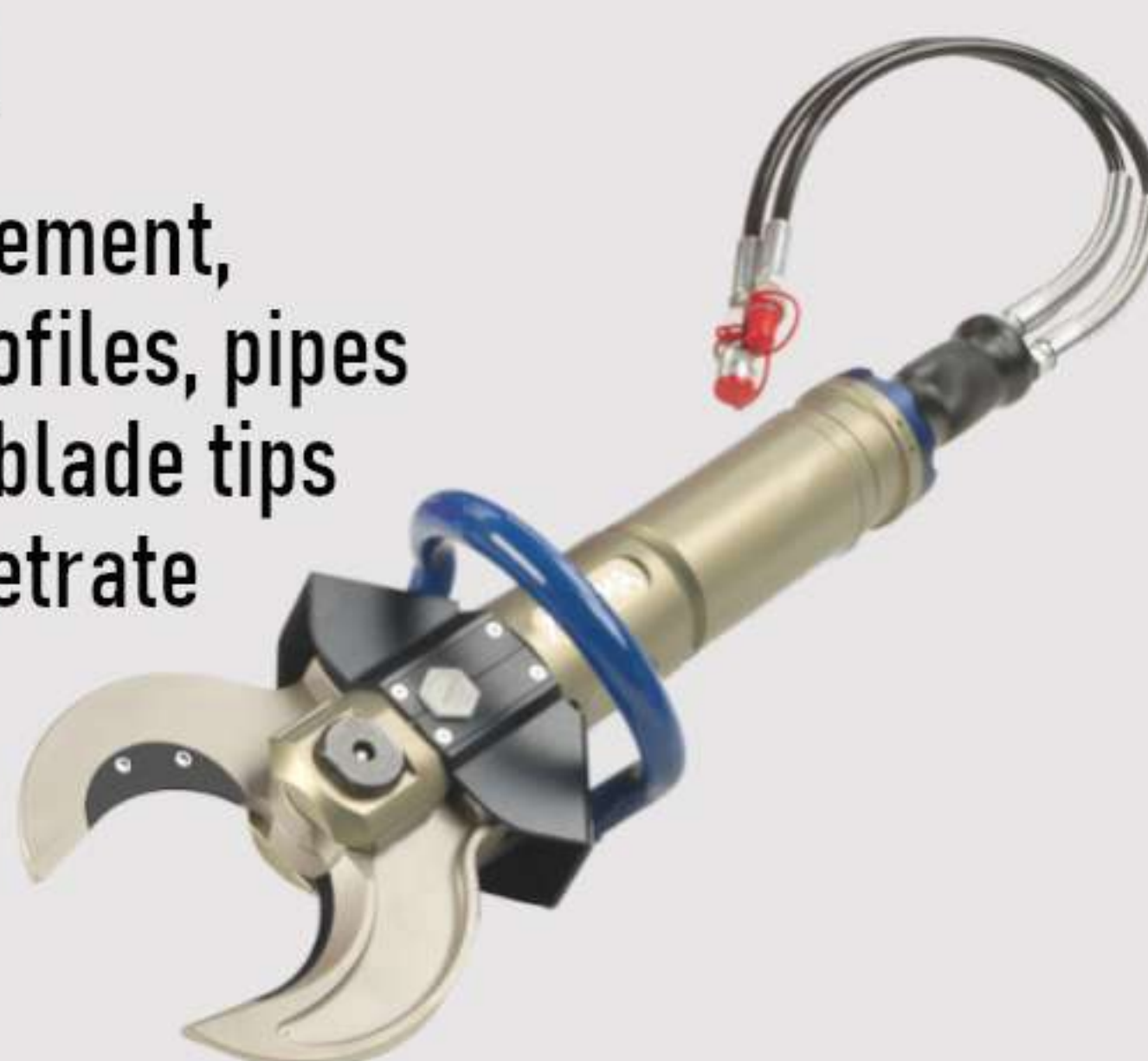
U.S.A.R. OPERATIONS

Urban Search and Rescue operations, where structural debris must be selectively demolished with minimal impact to safely reach victims trapped under rubble following earthquakes, floods or other structural emergencies.

// MORE THAN DEMOLITION

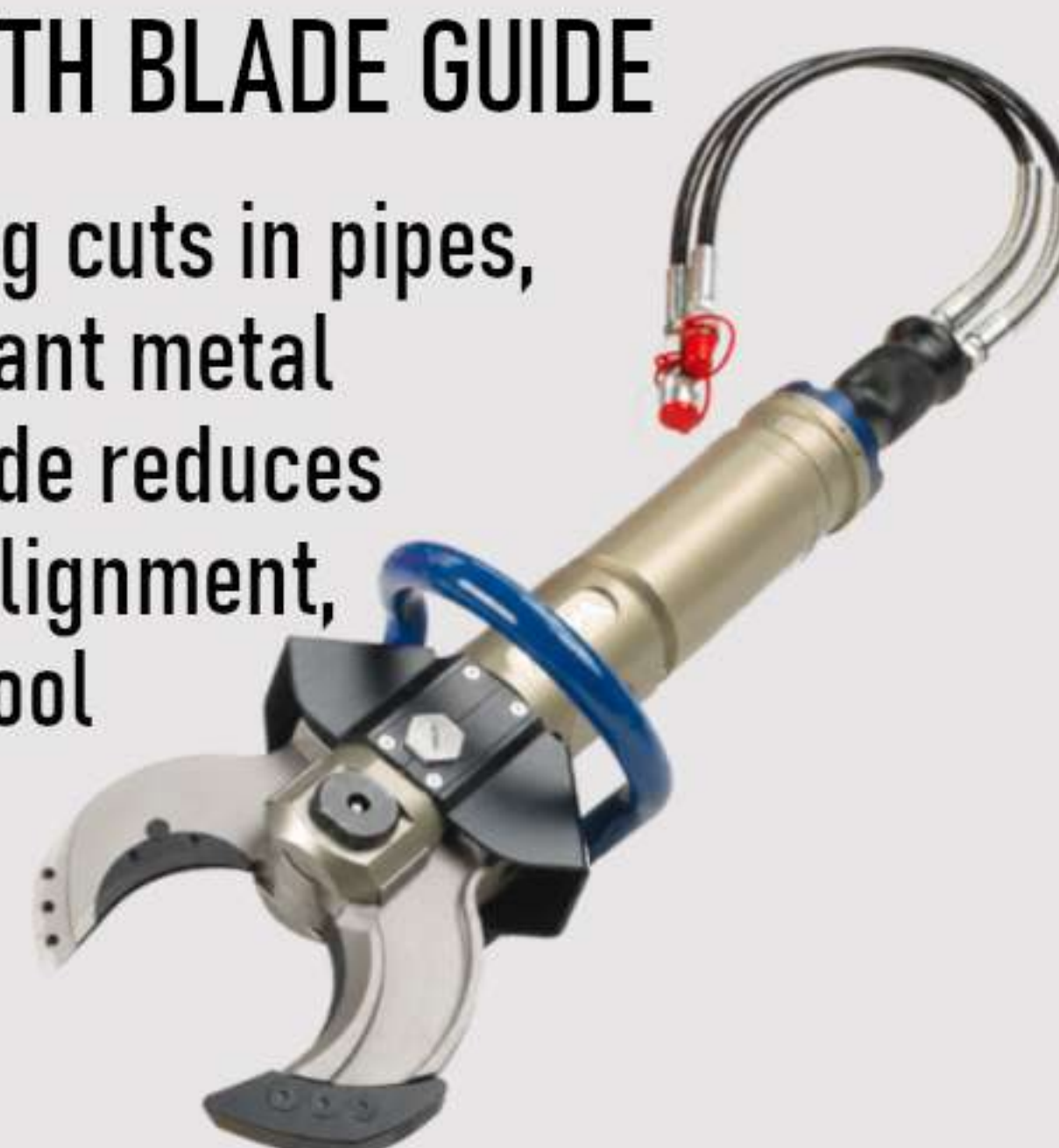
MS250 — SHEAR

Quickly cuts reinforcement, steel mesh, metal profiles, pipes and cables. The free blade tips allow the tool to penetrate the material when required.



GS170 — SHEAR WITH BLADE GUIDE

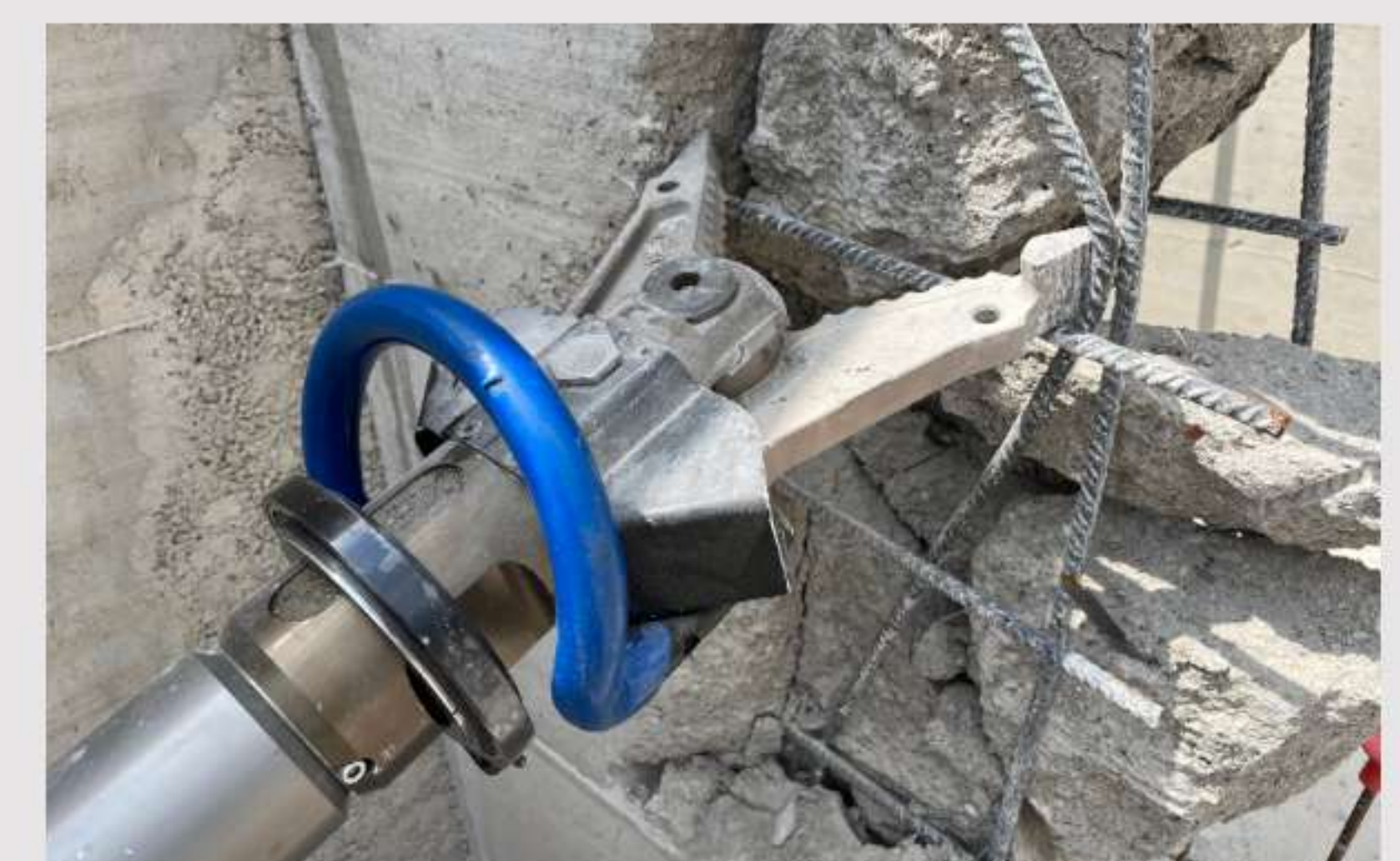
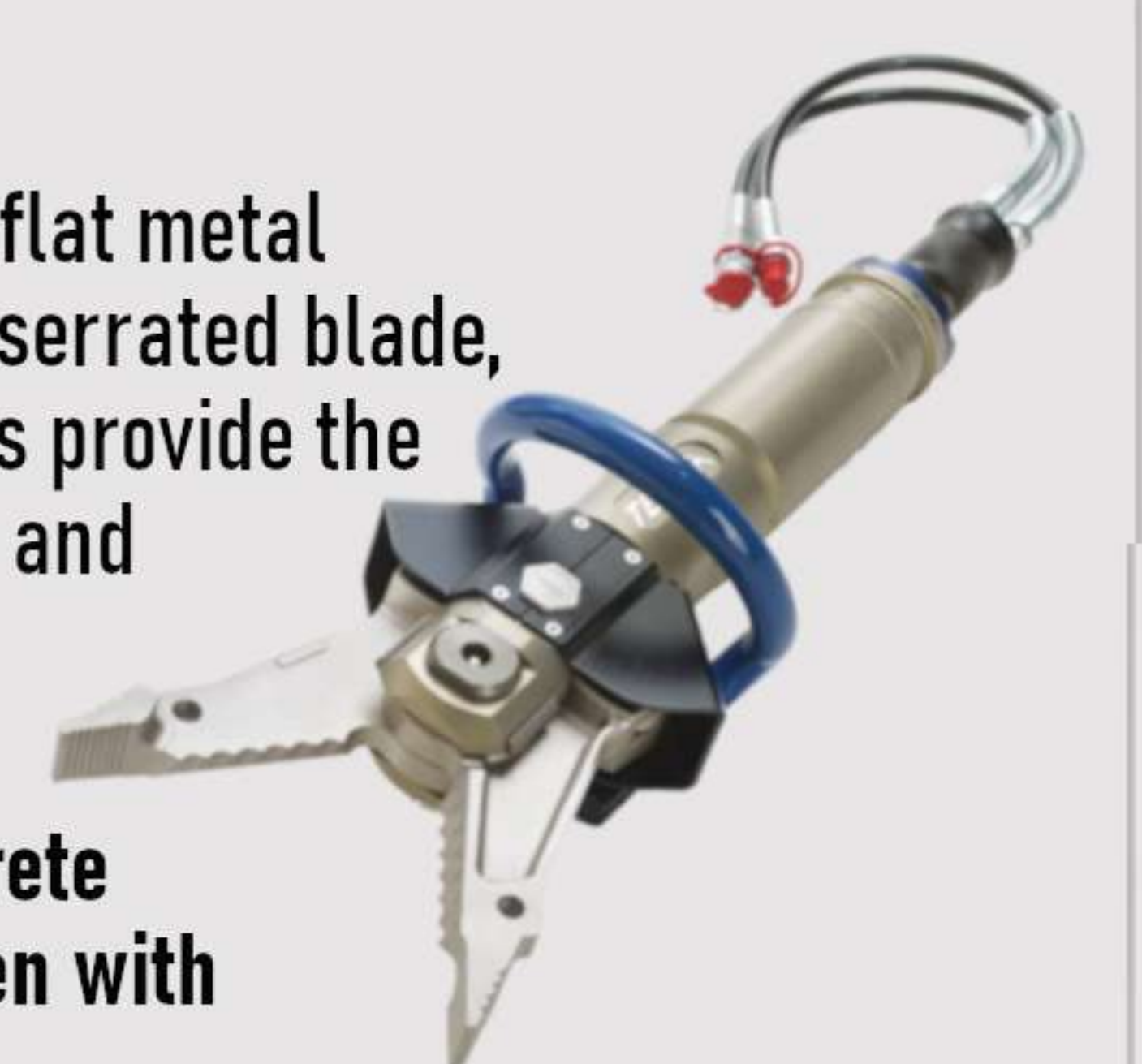
Designed for demanding cuts in pipes, steel cables and resistant metal sections. The blade guide reduces blade torsion and misalignment, limiting stress on the tool and extending its service life.



CS350 — COMBI SHEAR

Cuts sheet metal and other flat metal structures with its straight serrated blade, while the serrated outer tips provide the grip needed to grab, spread and separate materials.

Particularly effective for separating reinforced concrete structures, previously broken with TEHMA hydraulic splitters.



UNDERWATER CAPABILITY

TEHMA hydraulic tools can also be used for demanding underwater demolition and cutting operations, combining hydraulic power and controlled performance in challenging environments.



POWER WHERE YOU NEED IT

TEHMA power packs provide the hydraulic power required to operate the Multifunctional Shear, with different configurations available to match the working environment and application.

PP700

HIGH PERFORMANCE

High-performance cooling system and high-flow hydraulic pump, with a robust frame, handles, lifting hook and wheels for easy transport on construction sites.

UP TO 9 L/MIN

High flow capacity for faster tool movement and increased productivity.
Almost twice the flow rate of normal high-pressure power packs on the market.



PP600

COMPACT & VERSATILE

Compact and versatile power pack for a wide range of professional applications, available with up to four motor options.



EASY TO MOVE. READY TO WORK.

TR200 / SK200 TROLLEY & SUSPENSION KIT

Transport the complete equipment easily, even over stairs and debris.

With the SK200 Suspension Kit, the TR200 becomes a mobile workstation: the balancer neutralizes the weight of the tool and provides 360° maneuverability with minimum operator effort.



Model	Cutting/separation force (kN)	Demolition force (kN)	Mouth opening (mm)	Mouth depth (mm)	Weight (kg)	Pressure (bar)	Dimensions L x W x H (mm)
CC300	-	128	300	150	22.5	600	849 x 304 x 190
MS250	450	-	180	150	20.5	600	811 x 242 x 190
GS170	450	-	174	135	20.5	600	819 x 242 x 190
CS350	360/95	-	362	180	19.5	600	849 x 242 x 190

Model	Flow at 1st stage (L/min)	Flow at 2nd stage (L/min)	Power (kW)	Motor	Weight (kg)	Pressure (bar)	Dimensions L x W x H (mm)
PP700 E	9	1.2	2.2	Electric single-phase 230V (Available in 110V-120V or three-phase versions)	58.7	Adjustable up to 700	860 x 400 x 495
PP700 S			3.6	Gasoline Honda GX160	56.2		860 x 400 x 495
PP600 (E/HC) (*With cooling system)	5.4	1.2	2.2	Electric single-phase 230V (Available in 110V-120V or three-phase versions)	42.5/46.5	Adjustable up to 700	520/534 x 360 x 514
PP600 H			7.7	Hydraulic (Required flow rate 30-45 l/min / 150-200 bar)	30.5		522 x 360 x 514
PP600 A			3	Pneumatic (Air consumption: 170 m³/h at 5 bar / max. 215 m³/h at 7 bar)	38		520 x 360 x 517
PP600 S			3.6	Gasoline Honda GX160	44		520 x 395 x 515

* TEHMA SA reserves the right to modify the specifications and functions of its equipment at any time without prior notice.



REAL-WORLD PERFORMANCE

CC300 – CONCRETE CRUSHER
Concrete sections up to 250 mm (R = 325 kg/cm²)
MS250 / GS170 – SHEARS
Steel round bar up to Ø28 mm
Steel pipe up to Ø60 mm – 5 mm wall thickness
Steel profiles up to 100 x 40 x 3.5 mm / 60 x 60 x 2.5 mm
CS350 – COMBI SHEAR
Steel round bar up to Ø22 mm



READY FOR THE JOB

Find the right configuration for your application.
CONTACT TEHMA OR YOUR LOCAL DEALER