ADAPTIVE RESISTANCE STRENGTH PLATFORM

SPEEDE

CONNECTED
STRENGTH SYSTEM

WAG-SPD-HP-500

SPEEDE reads the exact force the operator produces and matches it in real time — up to 500 lb — from a single compact platform. Resistance is created by precision magnetic drivers, not weight plates or cables: no stack, no rack, no spotter. Every rep is measured, and the connected system adapts the work to the user.

ONE PLATFORM

MAGNETIC DRIVERS
Accommodating resistance with no plates, stack or cable weight.

MEASURED EVERY REP
Objective force output for progress, rehab and imbalance screening.

STANDARD OUTLET
120V / 15A, 3-prong plug. No facility modification required.



SPEEDE PLATFORM · 34 IN SQUARE FOOTPRINT · 51 IN MAX HEIGHT

500 lb	1,000+ lb	34 × 34 in	99 lb	1/8
PEAK ADAPTIVE FORCE	PEAK ADAPTIVE FORCE	PLATFORM FOOTPRINT	UNIT WEIGHT	OF THE TRAINING TIME
In market today · React Mode	In development	51 in max height	Single platform and column	Independent USF study

OPERATIONAL ADVANTAGE

MORE READINESS PER TRAINING HOUR

Independent testing at the University of South Florida Muscle Laboratory found five reps on SPEEDE equal to 38 traditional reps — in one-eighth of the time. Higher-quality stimulus inside a compressed training day.

LESS FLOOR SPACE, NO STACK

A 34-inch square platform replaces plates, racks and cable stacks and runs on a standard wall outlet — deployable into unit gyms, shipboard spaces and constrained facilities.

LOWER RISK, NO SPOTTER

Resistance never exceeds the force the user produces, so it backs off under fatigue or pain. Objective per-rep data supports return-to-duty rehab and left/right screening.

MISSION FIT

- Unit and base strength facilities
- Shipboard and space-constrained gyms
- Human performance and readiness programs
- Return-to-duty and rehabilitation

WHY IT BEATS TRADITIONAL WEIGHTS

TRADITIONAL WEIGHTS

- One fixed load for the whole rep — the weakest point in the range sets the weight.
- You can only lower what you first lifted, leaving the strongest phase undertrained.
- Heavy eccentric work requires spotters or specialised equipment.
- Progress tracked by guesswork; plates and racks scale with every pound of load.

SPEEDE

- Resistance matches the force produced at every point of the range of motion.
- Maximum stimulus on the way up and on the way down — nothing left on the table.
- Load never exceeds what the user produces: it backs off under fatigue or pain, so risk stays low and no spotter is required.
- Objective force data every rep — and one platform on one standard outlet, whatever the load.

TRAINING MODES

ISOKINETIC
ACCOMMODATING RESISTANCE

Controls movement speed while adjusting resistance in real time — the muscle is challenged near maximum capacity through the full range of motion.

ISOTONIC
CONVENTIONAL LOADING

Fixed-load strength work — the conventional machine modalities gyms have used for decades, on the same platform.

ECCENTRIC
MAXIMAL OVERLOAD

Loads the lowering phase beyond concentric capacity — maximal overload applied safely and on demand.

ISOMETRIC
MAX FORCE · ZERO MOVEMENT

Maximum force with no joint movement — targeted strength, tendon loading and rehab-friendly work.

CURRENT UNIT · UP TO 500 LB — COMMERCIAL SYSTEM, IN DEVELOPMENT · 1,000+ LB FORCE ENGINE

TECHNICAL DATA

FOOTPRINT	34 in W × 34 in D
MAX OPERATING HEIGHT	51 in
UNIT WEIGHT	99 lb
ADAPTIVE FORCE	Up to 500 lb (React) · 200 lb (Standard)
FORCE GENERATION	Precision magnetic drivers — no plates or cables
POWER	120V AC, 15A, 1,500W max · 5W idle draw
INPUT RANGE	100–240V, 50/60 Hz · standard 3-prong plug
DATA	Connected system · force measured every rep
COMMERCIAL SYSTEM	1,000+ lb force engine (in development)

RESEARCH & VALIDATION

5 reps = 38

REPS ON SPEEDE = 38 TRADITIONAL REPS · 1/8 THE TIME

“Isokinetic training with SPEEDE’s patented technology may be the most efficient way to achieve optimal results.”

DR. SAMUEL BUCKNER, PH.D.
Director, USF Muscle Laboratory · University of South Florida

Independent study · isokinetic training protocol

THE SCIENCE · WHY ECCENTRIC LOADING MATTERS

ABSORB FORCE
Strengthens muscle and tendon to handle real-world impact; improves balance and joint stability.

BUILD MUSCLE
Muscles work 40–50% harder during lengthening — greater strength and hypertrophy gains.

BONE DENSITY
Measurable gains in as little as eight weeks; reduces fracture risk.

FLEXIBILITY
Forms new muscle fibre units under stretch, increasing extensibility and range of motion.

METABOLIC RATE
Eccentric contractions keep calorie burn elevated for up to 72 hours post-session.

WepTac A.G.
WEAPONS & TACTICS ALLIANCE GROUP
Mission understood. Capability delivered.

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