



**Technical
Specifications**

JAWS 2.0 AND RGT

High-Definition Video Retrieval Tool

Eddyfi Technologies' retrieval tools are designed for harsh environments where FOSAR applications often occur. Built for any retrieval application, JAWS2.0 and RGT deliver the necessary tools to increase successful retrievals and increase efficiency.

THE FUTURE OF F.O.S.A.R.

JAWS 2.0™ is a rugged, motorized retrieval tool with an integral HDTV camera and LED Lighting. It is easy to use, robust, submersible, and works in any industrial environment. JAWS 2.0 is operated with a wired controller that adjusts mobility and visuals. This all-in-one device helps users to locate objects and quickly retrieve them, without the need for additional retrieval and monitoring equipment. The controller features a 5 in. (127 mm) industrial-grade 1080p HD color and sunlight-readable display with a hardened glass face.

The Remote Grabber Tool (RGT) delivers the same industrial ruggedness as JAWS 2.0, but without the HD camera and lighting. RGT is the perfect retrieval solution for easily visible locations or paired with additional retrieval or monitoring equipment.

Both JAWS 2.0 and RGT have 9 end effectors that can be easily interchanged to optimize the retrieval. JAWS 2.0 is available as a basic kit or as part of an ultimate loose-parts retrieval kit.

JAWS 2.0 and RGT are robust, high-definition remote retrieval tools designed for demanding industrial applications. Their modular design allows for tool-free adjustments, making it a versatile solution for power generation, petrochemical, and aerospace industries where safety, speed, and precision are critical.



KEY FEATURES AND CAPABILITIES

- **Robust and Durable:** Aircraft-grade aluminum construction and stainless-steel end effectors.
- **Retrieval Options:** 9 different end effectors can be easily interchanged to optimize retrievals and perform other functions, such as sampling.
- **Easy Operation:** Simple joystick controls allow for intuitive and precise opening and closing of the end effectors
- **Mobile Deployment:** Both JAWS 2.0 and RGT are controlled with lightweight, handheld joystick controllers for easy transportation and deployment.
- **RAD Durability:** JAWS 2.0 features electronics verified to withstand 30,000 RAD (average total dose)

TARGET INDUSTRIES

Proven performance across multiple sectors:

- Petrochemical
- Oil & Gas
- Nuclear
- Mining
- Municipal & Water
- Aerospace

KEY APPLICATIONS

Versatile solution for RVI in demanding environments:

- Nuclear reactor vessel, nozzles, and internals
- Nuclear fuel, spent-fuel pools, refueling operations
- Steam generator primary-side and secondary-side inspections
- Small and Large-diameter pipes, tanks, and vessels
- Plastic, glass, refractory-lined, and stainless-clad vessels
- Catalyst vessels and tray towers
- Aircraft engine assembly and test cells

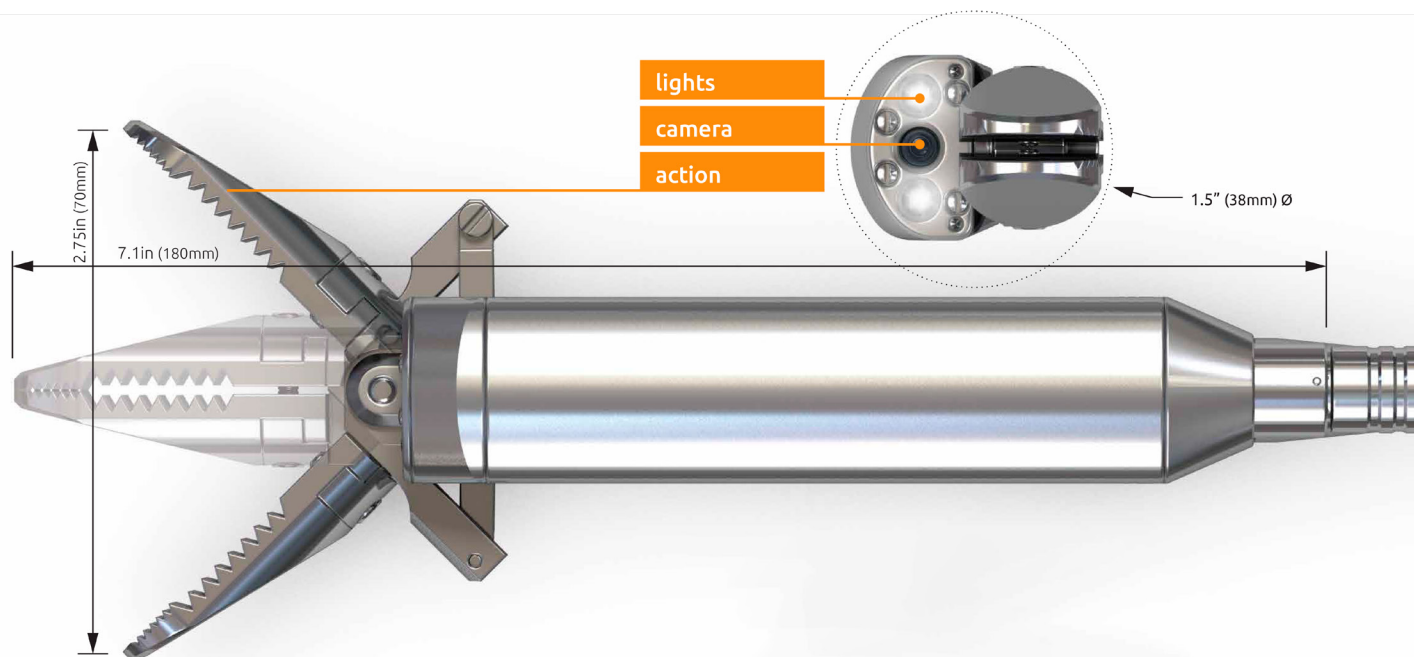


Figure 2: JAWS 2.0 & controller with screen.



Figure 1: Variety of interchangeable end-effectors for maximum accessibility

JAWS 2.0 SPECIFICATIONS



BOLT HEAD

Construction	Aluminum, stainless steel
Diameter	1.4in (34mm)
Access Required	1.5in. (38mm)
Length	7.1in (180mm)
Push Point Connector	0.4in (10mm) quick-disconnect
Weight	0.7lb (0.3kg)
Jaw Opening	3.2 in (81mm)
Jaw Clamping Force	25 lb (11.3kg) at tip
End-effectors	See page 2*
Radiation Life Expectancy	30,000 Rad Avg. Total Dose†

Submersible up to 100ft (30.5m) in water

*Basic kit comes standard with one serrated jaw. Options include a curved serrated, fork & tine, needle-nose pliers, sampling cups, hooks and manual tool adapter.

† Camera replacement module available

DISPLAY / CONTROLLER

Type	12V NiMH
Size	9.0x5.5x2.4in
Weight	3.1lb (1.4kg)
Features	HD color 5in (127mm) display
	HDMI video output
	Battery gage
	Grip strength indicator

CAMERA

Camera	1/3 in. color CMOS (1920x1080 pixels)
Viewing Angle	88° hor., 63° vert., 140° diag.
Lighting	2 long-life LEDs, total 150 lumens

CABLE

Material	TPE
Diameter	1/4in (6mm)
Length	50ft (15m) with extensions

JAWS 2.0 SPECIFICATIONS

BASIC KIT

Standard Components	JAWS 2.0 HD grabber
	JAWS 2.0 HD display/controller
	AC adapter/charger
	Qty. 1 controller battery
	Operator manual
	50' (15m) power/video cable
Case	14×22×8in, 12lb (5.5kg)
Jaws	Short serrated jaws (others may be ordered separately)



Basic Kit



Ultimate Kit

ULTIMATE KIT

Standard Components	JAWS 2.0 HD grabber
	JAWS 2.0 HD display/controller
	AC adapter/charger
	Qty. 2 controller battery
	Operator manual
	50' (15m) power/video cable + 50'ft (15m) extension cable
Case	15½×25×8½", 19 lb (8.6kg)
Jaws	Fork and tine
	Flat serrated jaws
	Short serrated jaws
	Sampling cups
	Curved serrated jaws
	Tool adapter needle-nose jaws
Tools	Qty. 2 (two) snares: sm, lg
	Qty. 2 (two) magnets: sm, lg (w/ case)
	Qty. 4 (four) hooks: sm, med, lg, xl
Push Poles	Qty. 10: 5'×3/16"Ø (1.5m×5mmØ)
	Qty. 10: 5'×1/4"Ø (1.5m×6mmØ)
	Qty. 10: 5'×5/16"Ø (1.5m×8mmØ)
	Qty. 10: 5'×3/8"Ø (1.5m×9mmØ)
	Qty. 1: 6"×5/16"Ø (150mm×8mmØ)
	Qty. 1: 12"×5/16"Ø (300mm×8mmØ)
	Qty. 1: 16"×3/16"Ø (405mm×5mmØ)
	Qty. 1: 16"×1/4"Ø (405mm×6mmØ)
Push Pole Accessories	Qty. 1: 16"×5/16"Ø (405mm×8mmØ)
	Qty. 1: 16"×3/8"Ø (405mm×9mmØ)
	Quiver, tee handle, adjustable elbow rubber flex joint, spring flex joint
Misc.	Hex keys, screws, hoist lifting ring

RGT SPECIFICATIONS



TOOL HEAD

Construction	Stainless steel
Diameter	0.82in (21mm)
Access Required	1in (25mm)
Length	11.3in (287mm)
Push Point Connector	0.4in (10mm) quick-disconnect
Weight	0.7lb (0.32kg)
Jaw Opening	3.2 in (81mm)
Jaw Clamping Force	25 lb (11.3kg) at tip
End-effectors	See page 2

CABLE

Material	Polyurethane
Diameter	0.18in (4.5mm)
Length	49.2in (15m) with extensions

POWER SUPPLY

Type	Lithium Ion rechargeable
Size	7.0x4.8x2.7in (178x122x69mm)
Weight	1lb (0.452kg)
Features	Battery gauge

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