



# Security Defence Systems

Plot No. 50, DIC, Industrial Area , Baddi, Solan (H.P)

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## TELESCOPIC MANIPULATOR TM - II



MODEL : TM - II

### GENERAL FEATURES

1. It has a comfortable shoulder strap with adjustable sleeve for operator to wear and handle it.
2. It provides a standoff distance of minimum 4 meters from the claw.
3. It is able to handle/lift up to 10kgs of weight when fully extended with tripod as standard feature.
4. The claw is adjustable. It is also able to pickup soft objects like toy-bomb, plastic bottles, soft packet bombs, etc., by way of torque control feature.
5. The telescopic manipulator is having a breakaway tip arrangement, so that in case of a possible explosion, only the tip is damaged and reduce the recoil effect almost to nil.
6. The equipment is provided with various optional claws, which can be fitted and used as required depending on the shape of the object to be manipulated.
7. The rechargeable battery pack power source lasts for a minimum of 60 minutes of continuous operation time.
8. The equipment is to be provided with only one set rechargeable batteries and charger.
9. The equipment in collapsed state will be small enough to be packed in a pipe structure and a VIP Odyssey case.
10. The robotic claw rotates endlessly 360 degrees with a motorized rotation control in addition to the motorized closing/opening.



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## TELESCOPIC MANIPULATOR TM - IV



MODEL : TM - IV

### GENERAL FEATURES

- Operational Length:** it has a minimum length of 4.5 meters when fully extended.
- Weight:** It is 15 Kg when assembled and ready for use (including bipod)
- Shoulder Strap:** It has a comfortable shoulder strap with adjustable sleeve for operator to wear and handle it.
- Stand off Distance:** it provides a standoff distance of minimum 3 mtrs. from the claw.
- Lifting Capacity:** able to handle/lift upto 10 Kgs of weight when fully extended with bipod.
- Jaw Opening:** Adjustable Claw that opens to a minimum of 15cm (6")
- Break Away:** The telescopic manipulator is having a breakaway tip arrangement, so that in case of a possible explosion, only the tip is damaged and reduce the recoil almost to nil.
- Optional Claws:** The equipment is provided with various optional claws, which can be fitted and used as required depending on the shape of the object to be manipulated.
- Water Jet Disruptor:** It is possible to deliver water jet disruptor using this manipulator.
- Rechargeable Battery Pack:** the rechargeable battery pack power source lasts for a minimum of 2hrs of continuous operation time.
- Charger:** the equipment is provided with one set of charger.
- Carrying Case:** the equipment in folded state will be small and portable in a carrying case.
- Operating Temperature:** the equipment will be able to function at extreme ranges of temperature -20°C to +50°C
- Water Proofing:** the electronic components are waterproof.



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## TELESCOPIC MANIPULATOR TM - V



MODEL : TM - V

### GENERAL FEATURES

<b>Operational Length:</b>	it has a minimum length of 4.5 meters when fully extended.
<b>Weight:</b>	It is 15 Kg when assembled and ready for use (including bipod/tripod)
<b>Shoulder Strap:</b>	It has a comfortable shoulder strap with adjustable sleeve for operator to wear and handle it.
<b>Stand off Distance:</b>	it provides a standoff distance of minimum 3 mtrs. from the claw.
<b>Lifting Capacity:</b>	able to handle/lift upto 10 Kgs of weight when fully extended with bipod.
<b>Jaw Opening:</b>	Adjustable Claw that opens to a minimum of 20cm (8")
<b>Break Away:</b>	The telescopic manipulator is having a breakaway tip arrangement, so that in case of a possible explosion, only the tip is damaged and reduce the recoil almost to nil.
<b>Optional Claws:</b>	The equipment is provided with various optional claws, which can be fitted and used as required depending on the shape of the object to be manipulated.
<b>Water Jet Disruptor:</b>	It is possible to deliver water jet disruptor using this manipulator.
<b>Rechargeable Battery Pack:</b>	the rechargeable battery pack power source lasts for a minimum of 2hrs of continuous operation time.
<b>Charger:</b>	the equipment is provided with one set of charger.
<b>Carrying Case:</b>	the equipment in folded state will be small and portable in a carrying case.
<b>Operating Temperature:</b>	the equipment will be able to function at extreme ranges of temperature -20°C to +50°C
<b>Water Proofing:</b>	the electronic components are waterproof.



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## TELESCOPIC MANIPULATOR TM - VI



MODEL : TM - VI

### GENERAL FEATURES

- Operational Length:** it has a minimum length of 4.5 meters when fully extended.
- Weight:** the total weight does not exceed 6kg for jaw, telescopic rod, battery & controls. The counter weight of 10kgs and bipod stand of 4kgs.
- Shoulder Strap:** It has a comfortable shoulder strap with adjustable sleeve for operator to wear and handle it.
- Stand off Distance:** it provides a standoff distance of minimum 3 mtrs. from the claw.
- Lifting Capacity:** able to handle/lift upto 10 Kgs of weight when fully extended with bipod.
- Jaw Opening:** Adjustable Claw that opens to a minimum of 15cm (8")
- Break Away:** The telescopic manipulator is having a breakaway tip arrangement, so that in case of a possible explosion, only the tip is damaged and reduce the recoil almost to nil.
- Optional Claws:** The equipment is provided with various optional claws, which can be fitted and used as required depending on the shape of the object to be manipulated.
- Water Jet Disruptor:** It is possible to deliver water jet disruptor using this manipulator.
- Rechargeable Battery Pack:** the rechargeable Li-ion battery pack power source lasts for a minimum of 2hrs of continuous operation time.
- Charger:** the equipment is provided with one set of charger.
- Carrying Case:** the equipment in folded state will be small and portable in a carrying case.
- Operating Temperature:** the equipment will be able to function at extreme ranges of temperature -20°C to +50°C
- Water Proofing:** the electronic components are waterproof.