

FACTORY AUTOMATION

Robot**CARE** Program



- Health Check up Program
- Robot Preventive Maintenance Program
- Annual Maintenance Contract (Non Comprehensive)
- Comprehensive Maintenance Contract (CMC)



Mitsubishi Electric India Robot Care Program

Robots are made with intelligence and innovation but have to be maintained with care. For any system to work at its best, preventive measures to ensure smooth running and regular check up to eliminate any glitches is a must.

We at Mitsubishi Electric care for robot systems with our unique Preventive Maintenance Program and Health Check up Program to assure you of maintaining quality, consistency and precision, year after year.



Mitsubishi Electric India Robot Care Program Advantages

- Increases the efficiency of robots
- Reduce potential for breakdown
- Data to support scheduling future maintenance work
- Identify potential robot repair
- Maximize robot uptime



Applicable Robot Models

F, FR, CH, CRH and CRL series of robots to be covered under the preventive maintenance program and health check up program

S. No.	Model No.	Type	Capacity
1	F series Robot	Horizontal	3kg, 6kg, 12kg, 20kg
		Vertical	2kg, 4kg, 7kg, 13kg, 20kg
2	FR series Robot	Horizontal	3kg, 6kg, 12kg, 20kg
		Vertical	2kg, 4kg, 7kg, 13kg, 20kg
3	CH series	Horizontal	3kg, 6kg
4	CRH series	Horizontal	3kg, 6kg
5	CRL Robot	Vertical	8kg, 12kg

1. Package Details for Health Check Up

Ideal Interval	Every 8000 working hours or 1 Year
Total time required	Approx. 04-05 Hrs. on non production day*

Robot condition evaluation	Robot controller overall visual
Backup	Controller dusting by ESD brush
Shaft visual check	Controller battery change**
Timing belt visual check	Controller filter dusting by ESD brush
Timing belt tension control	Emergency (TB) switch check
Greasing of robot arm	T/B cable visual check
Arm battery change**	

**Actual cost shall be borne by the customer

2. Package Details for Preventive Maintenance

Ideal Interval	Every 24000 working hours or 3 Year
Total time required	Approx. 06-07 Hrs. on non production day*

Robot condition evaluation	Robot controller overall visual
Backup	Controller dusting
Shaft visual check	Controller battery change
Timing belt change	Controller filter change
Timing belt tension control	Emergency (TB) switch check
Greasing of robot arm	Controller fan change
Arm battery change	Controller PCB cleaning

*Note : For the Overhaul service, the duration timeframe varies by Robot type and the ease of changing the belts, re-greasing, etc., and can take between 2 and 4 hours/axis

3. Package Details for Amc (Non Comprehensive)

Health Check-up & Preventive Maintenance	It includes 1 Health Check-up & 1 Preventive Maintenance (Conducted at same time 1/Y)
Break down Support	It includes 2 no visits on request basis with response time 24 hrs.
AMC Cost	Please contact your nearest MEI service centre or ASC
Additional Visit	On chargeable basis.

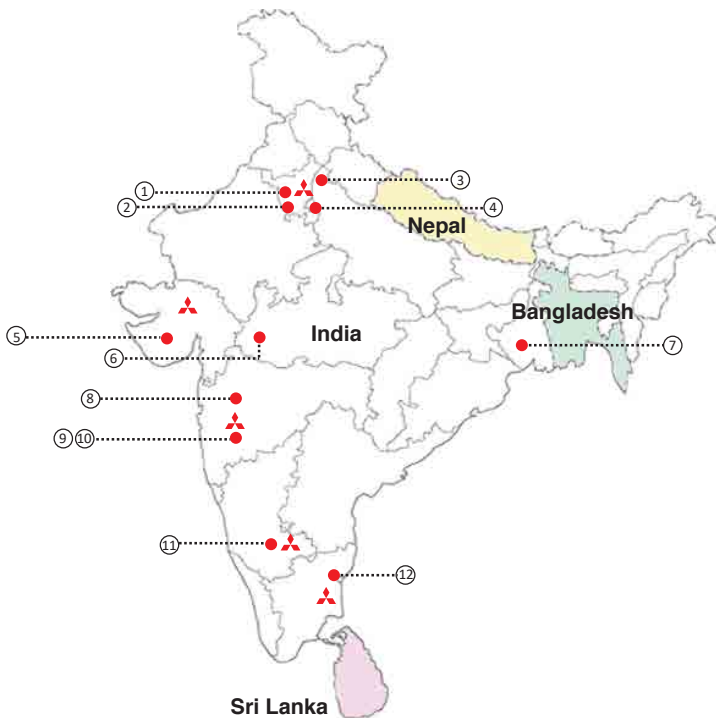
4. Package Details for CMC (Comprehensive Maintenance Contract)

Free Inspection	On purchase of new Robot, MEI representative will make free inspection while installation.
Health Check-up & Preventive Maintenance	It includes 1 Health Check-up & 1 Preventive Maintenance (Conducted at same time 1/Y)
Break down Support	It includes 4 visits on request basis with response time 24 hrs.
Replacement Parts	All material and Labour cost included.
CMC Cost	Please contact your nearest MEI service centre or ASC

*Additional benefits:

1. Half day training for maintenance and troubleshooting techniques.
2. Telephonic Support.
3. Free software updates

MEI Service Network



MEI Robot Repair Centers (CSD)

Pune | Mitsubishi Electric India Private Limited

Factory Automation & Industrial Division Emerald House, EL - 4, J Block, M.I.D.C. Bhosari, Pune, Maharashtra, India - 411 026.
Tel:+91- 020-2710 2000/ 46242100, Fax Line : +91- 020-2710 2247

Gurugram | Mitsubishi Electric India Private Limited

Ground Floor, Plot No - 517, Udyog Vihar, Phase - 3, Gurugram - 122022.
Tel.: +91(124) 4630300, +91 (124) 6739300

Bangalore | Mitsubishi Electric India Private Limited

Factory Automation & Industrial Division, Esquire Centre, No.-9, Ground Floor, B-Block, M.G. Road, Bengaluru, Karnataka, India - 560 001
Tel. : +91-9980802181, Fax : +91-080-40201699

Chennai | Mitsubishi Electric India Private Limited

Factory Automation & Industrial Division, Isana Katima, 3rd Floor, Door No. 497 & 498, Poonamallee High Road, Arumbakkam, Chennai, Tamil Nadu, India - 600 106.
Tel.: +91-044-49232222, Fax: +91-044-49232249

Ahmedabad | Mitsubishi Electric India Private Limited

Factory Automation & Industrial Division,
204-209, 2nd Floor, 31 Five Corporate Rd, Near Vodafone House, Prahalad Nagar, Ahmedabad, Gujarat, India - 380 015
Tel.: +91-079-65120063

 **MEI Robot Repair Centers**  **Authorized Service Centers**

Authorised Service Centers (ASCs)

- | | |
|---|---|
| <p>1 Alliance Automation System Private Limited
Plot No.171,Sector-6, IMT Manesar Gurgaon,
Haryana. Tel: 0124-4477951</p> <p>2 Technavia India Private Limited
Plot-233, Pace City-2, Udyog Vihar, Phase 6, Sector-37,
Gurugram, Haryana -122001.
Mob.: +91-9643110411 / +91-9582966670</p> <p>3 TAC Automation
A-20,Phase-II,Noida-201305.
Mob:+91-8373912164 /+91-9873094371</p> <p>4 Zen Automation
8B, 2nd floor Krishna Palace, Near Neelam flyover,
Faridabad - 121001
Mob.: +91-9910098367 / +91-9810611179</p> <p>5 Edge Automation Pvt. Ltd
Mahadev Wadi Main Road, Laxminagar, Opp. Tatkalik
Hanuman Chowk, Rajkot - 360004
Mob: +91- 9429375914 / +91- 9537775914</p> <p>6 Autotech
23A RD Udhog Nagar, Palda, Nemaver Road,
Indore - 452020 MP
Mob No:+91-8370005469 / +91-8370005467</p> | <p>7 TTS Systematix Pvt. Ltd
Flat-101, First Floor Sunshine Apartment,
24 NSC Bose Road, Kolkata - 700040
Mob: +91-9903345725 / +91- 9007022728</p> <p>8 Eastro Control Systems Pvt. Ltd.
Plot No. H-145/1, MIDC, Ambad, Nashik-422010
Mob: +91- 8600300149 / +91- 8600300151</p> <p>9 Cubix Automation Pvt. Ltd.
S.No. 26/6 Vitthalwadi, Sinhgad Road, Hingne Khurd,
Pune 411051 Mob.: +91-9689943330</p> <p>10 Innovative Solutions India Pvt. Ltd.
T-62/3 and 62/4, Near Hockey Stadium, MIDC,
Bhosari, Pune- 411026
Mob : +91 9371021878</p> <p>11 Future Robotics & Automotion Private Limited
Old No.: 29, New No. 10, Vaddarapalya,
JP Nagar 8th Phase, Bengaluru - 560083
Mob.: 99011 56502 / 88611 34354</p> <p>12 Hitek Automation
F3/11- First Floor- No-49, Srinivasa Nagar Second Main
Road-Kolathoor - Chennai - 600099
Mob.: +91- 9710503030 / +91- 9841064268</p> |
|---|---|

Service network website: <https://mitsubishielectric.in/fa/service-centers.php>