### Technical Data

#### E 944 C Upper structure
- **Electric motor**: 200 kW – 400 V – 50 Hz
- **Operating weight**: 43 – 51 t
- **Maximum range**: 20.0 m
- **Lift capacity at maximum range**: 4.5 t
- Available on SEW & HR caterpillar undercarriages
- 7.4 m steel pillars on concrete base
- Elastic bearing

#### E 934 C Upper structure
- **Electric motor**: 160 kW – 400 V – 50 Hz
- **Operating weight**: 35 – 41 t
- **Maximum range**: up to 20.3 m
- Available on EW crawler undercarriages

#### E 954 C Upper structure
- **Electric motor**: 250 KW – 400 V – 50 Hz
- **Operating weight**: 55 – 61 t
- **Maximum range**: 24.1 m
- Available on SEW & HR crawler undercarriages

### Attachment

#### E 944 C Upper structure
- **Industrial mono boom**: 11.50 m
- **Industrial stick**: 9.50 m *
- **Multi-tine grapple**: GM 70 0.80 m³
* optionally available with 12 m industrial stick (Max. range 22.2m)

### Next to the EP 944 C the Liebherr range of stationary machines also includes the following machines:

#### Technical Data

#### E 934 C Upper structure
- **Electric motor**: 160 kW – 400 V – 50 Hz
- **Operating weight**: 35 – 41 t
- **Maximum range**: up to 20.3 m
- Available on EW crawler undercarriages

#### E 954 C Upper structure
- **Electric motor**: 250 KW – 400 V – 50 Hz
- **Operating weight**: 55 – 61 t
- **Maximum range**: 24.1 m
- Available on SEW & HR crawler undercarriages

### All machines also available as mobile material handlers with SEW and HR undercarriages.
Situation
Wiederkehr Recycling AG dates back to the foundation of the company by Xaver Wiederkehr in 1959. Today the Wiederkehr Recycling group has 103 employees at its headquarters in Waltenschwil, Switzerland. A further 170 are employed in subsidiaries in Germany, China, Japan and Vietnam.

Wiederkehr Recycling AG is one of the leading companies in recycling scrap metal and plastics. It processes approximately 120,000 to 150,000 tonnes of material each year. The scrap metal comes from all over Europe. To process this material Wiederkehr uses a 3,000 horse power shredder and a scrap shearing machine. The material prepared in Waltenschwil is supplied to steel works in Switzerland, Germany and Italy and then transported by road and rail. Every day up to 1,000 tonnes of scrap arrives at the site in eastern Switzerland.

Task
Several Liebherr material handlers of various sizes with mobile and stationary undercarriages are used to load and unload trucks and wagons, for sorting and stockpiling scrap and for loading the shredder and shearing machine. At peak times, up to 1,000 tonnes of scrap and recyclable material is delivered to the site in Waltenschwil.

A lorry loaded with scrap rolls up every 10 minutes and unloads the material. The previous handling concept was based on a rail-bound portal solution. Due to the increased space requirements associated with this and due to the redevelopment of the site an electric stationary concept was chosen.

Solution
As a recycling specialist and technology leader in scrap recycling a long term partnership has developed between Wiederkehr Recycling AG and Liebherr Baumaschinen AG. Since the beginning of this year the new electric stationary material handler EP 944 C operates at Wiederkehr and loads the 3,000 horse power shredder.

In addition, there is a mobile A 944 C High Rise for pre-sorting the material. Both machines are identically equipped and have a substantial working radius of 40 m. Next to the range the operating height is important since the material is stacked at a certain height to optimise the logistical capacities of the company. The maximum lifting capacity at the load handling point of the 20.0 m industrial equipment amounts to 4.5 tonnes.

The Liebherr material handler EP 944 C is polyvalent, sending up to 500 tonnes of material every day to the shredder and also unloading incoming trucks or sorting and stacking scrap metal. At peak times the EP 944 C can load the shredder with up to 120 tonnes per hour due to its fast work cycles.

The essential criteria for Liebherr material handling machines are service life, availability and close points of service. Strict noise regulations, exhaust emissions, longer standing periods and lower running costs are only some of the reasons which significantly encourage the trend towards electric drive technology.

In comparison to a diesel driven machine a Liebherr electric material handler is one third cheaper in running costs. For many years consulting, sales and service is in the hands of Liebherr Baumaschinen AG, Switzerland.