

HOBBYMAT BFE 65

Precision Vertical Milling Machine

Complete with Comprehensive Accessory Package

1 Machine Description

The Hobbymat BFE 65 is a high-quality precision vertical milling machine of East German manufacture, produced between circa 1985–1992. This machine embodies the legendary quality and accuracy for which East German precision machine tools are renowned. The machine has been lightly used for hobby work, never deployed industrially, and is in perfect condition.

The BFE 65 is characterised by its solid construction, reliable gear drive and excellent repeatability. With integrated digital frequency inverter and digital readout (DRO), this machine is ideal for model makers, instrument makers and small series production alike.

2 Technical Specifications

2.1 Main Machine

- **Type:** Hobbymat BFE 65 vertical milling machine
- **Origin:** East Germany (GDR)
- **Year of manufacture:** ca. 1985–1992
- **Motor power:** 0.25–0.29 kW (depending on mains connection)
- **Speed range:** 315, 560, 900, 1600 rpm (4 mechanical steps)
- **Drive:** 4-speed gearhead
- **Spindle taper:** Morse taper MT1
- **Frequency inverter:** KIMO MotorMaster MM104–115 fully digital
- **Table travel:** 160 × 450 mm (X-Y axes)
- **Digital readout:** Professional DRO system on both axes

2.2 Condition and State

- Perfect mechanical condition
- All functions fully operational
- Well maintained, regularly lubricated
- No wear on guideways or spindle
- Electronics fully functional
- Complete with original documentation

3 Included Accessory Package

The offer includes a very comprehensive and professional accessory package that is immediately ready for use for various machining operations.

3.1 Work Holding

- **Precision rotary/dividing table** with graduated divisions, suitable for angular operations and polygon milling
- **4-jaw independent chuck** on dividing table for eccentric workholding
- **Precision milling vise** with parallel jaws
- **Complete T-slot clamping kit** in professional red storage case:
 - Various step blocks (steps from 2–80 mm)
 - T-slot nuts and studs
 - Clamps (goose-neck and straight designs)
 - Supports and spacer rings

3.2 Cutting Tools and Holders

- **Comprehensive HSS drill set** in wooden storage block, various diameters
- **Second HSS drill set** with twist drills
- **HSS end mill set** in wooden storage block, various shapes and sizes
- **Countersinks** (conical and flat types)
- **Centre drills** for accurate centring
- **HSS reamers** various diameters
- **MT1 tool holders** and arbors
- **Quick-change drill chucks**

3.3 Documentation

- Original Hobbymat BFE 65 operating manual (German)
- KIMO MotorMaster frequency inverter manual
- Technical specifications and maintenance schedules

4 Application Range

The Hobbymat BFE 65 is particularly suitable for:

- Model making and instrument manufacturing
- Prototyping and small series production
- Educational institutions and training centres
- Repair and maintenance workshops
- Hobby and semi-professional applications
- Machining of steel, aluminium, plastics, bronze

5 Why This Machine?

- **Rare complete package:** Machine with very comprehensive accessory package worth approximately € 800–1200 separately
- **Immediately productive:** All necessary tools and work holding included
- **Perfect condition:** Well maintained, never industrially abused
- **Reliable technology:** East German precision construction with proven durability
- **Modern control:** Digital frequency inverter for stepless speed control within mechanical ranges
- **Digital readout:** Enhanced accuracy and productivity through DRO system
- **Realistic pricing:** Fair valuation for a complete, professional package in perfect condition

6 Price and Availability

Asking price	€ 3,000
Delivery	Collection only
Location	Currently Apeldoorn, Netherlands Soon Zoetermeer (before Christmas 2024)
Condition	Perfect, fully operational
Package	Complete, not separable

7 Contact

For viewing, additional information or technical questions, please contact:

hobbymat-bfe65@rhebergen.net

The machine can be viewed and tested in working condition by appointment.

Current location: Apeldoorn, The Netherlands (available until Christmas December 2025)

Future location: Zoetermeer, The Netherlands (from January 2026)

Serious buyers are welcome to inspect all functions and verify the complete accessory package.

This is a private sale. Machine is delivered as seen and approved.

Professional packaging and transport can be arranged at additional cost.