

| Motor type   | Price per motor | Encoder (Y or N) | RPM           | Torque                             | Weight  | Voltage | Current                | link  |
|--|-----------------|------------------|---------------|------------------------------------|---------|---------|------------------------|---|
| P027 RST75-125 Motor with Encoder  | \$10 Y          |                  | 5700 RPM      | 35 oz-in (2.5lbf)                  | 0.8 lbs | 12V     | 15-20 AMPs (stall)     | <a href="https://www.endymark.com/products/775-125-motor-with-encoder-for-sep72-gepmotor-3vac220ohb/y9w9k6w1thcmv/y29y2f2c7wE6QNhGfS2a3c0kNhb3v83J3c/vY0YnxErYmM2Z2nBMWJ2QWJ2M4">https://www.endymark.com/products/775-125-motor-with-encoder-for-sep72-gepmotor-3vac220ohb/y9w9k6w1thcmv/y29y2f2c7wE6QNhGfS2a3c0kNhb3v83J3c/vY0YnxErYmM2Z2nBMWJ2QWJ2M4</a>   |
| 245 RPM 12V Gearmotor with 2 Channel Encoder                             | \$19 Y          |                  |               | 245 410 g cm, 0.03 lb-ft (No Load) | NA      | 12V     | NA                     | <a href="https://www.endymark.com/products/245-rpm-12v-gepmotor-with-2-channel-encoder/3vac220ohb/y9w9k6w1thcmv/y29y2f2c7wE6QNhGfS2a3c0kNhb3v83J3c/vY0YnxErYmM2Z2nBMWJ2QWJ2M4">https://www.endymark.com/products/245-rpm-12v-gepmotor-with-2-channel-encoder/3vac220ohb/y9w9k6w1thcmv/y29y2f2c7wE6QNhGfS2a3c0kNhb3v83J3c/vY0YnxErYmM2Z2nBMWJ2QWJ2M4</a>   |
| 340 RPM 12V 14:1 Ratio Gearmotor with 2 Channel Encoder                  | \$26.50 Y       |                  |               | 340 300 g cm (No Load)             | NA      | 12V     | NA                     | <a href="https://www.endymark.com/products/340-rpm-12v-14-1-ratio-gepmotor-with-2-channel-encoder/3vac220ohb/y9w9k6w1thcmv/y29y2f2c7wE6QNhGfS2a3c0kNhb3v83J3c/vY0YnxErYmM2Z2nBMWJ2QWJ2M4">https://www.endymark.com/products/340-rpm-12v-14-1-ratio-gepmotor-with-2-channel-encoder/3vac220ohb/y9w9k6w1thcmv/y29y2f2c7wE6QNhGfS2a3c0kNhb3v83J3c/vY0YnxErYmM2Z2nBMWJ2QWJ2M4</a>   |
| 12V DC Motor 350RPM MicroEncoder (12kg/cm)                               | \$29 Y          |                  | 285 (Max Eff) | 2.0 kg cm (max eff)                | 98g     | 12V     | 0.65A (max eff)        | <a href="https://www.drobot.com/product/1462.htm">https://www.drobot.com/product/1462.htm</a>   |
| Encoder Metal Gearmotor 12V DC High Speed 600RPM Gear Motor with Encoder | \$14.88 Y       |                  | 600 RPM       | 0.25 kg cm (Rated)                 | NA      | 12V     | No-Load current: 0.15A | <a href="https://www.amazon.com/Motor-Encoder-Speed-Gearmotor-Robotic/dp/B07GNQDGNCF/refsr_1_2_sspa?sr=1PBBE3B4R4Z1Jkwwetrs=12V%2Bdc%2Bmotor%2Bwith%2BEncoder&amp;qsr=12V%2BDC%2Bmotor%2Bwith%2B2%2BCas%2B1C15&amp;sr=8-2_sponsored_ssr=629Z2V0TmF2T1z9P">https://www.amazon.com/Motor-Encoder-Speed-Gearmotor-Robotic/dp/B07GNQDGNCF/refsr_1_2_sspa?sr=1PBBE3B4R4Z1Jkwwetrs=12V%2Bdc%2Bmotor%2Bwith%2BEncoder&amp;qsr=12V%2BDC%2Bmotor%2Bwith%2B2%2BCas%2B1C15&amp;sr=8-2_sponsored_ssr=629Z2V0TmF2T1z9P</a> |
| Encoder Metal Gearmotor 12V DC High Speed 900RPM Gear Motor              | \$21.99 Y       |                  |               | 900 1.5 kg cm                      | NA      | 12V     | 0.5A no load           | <a href="https://www.aliexpress.com/Bemorec/Encoder_Gearmotor_600rpm_900rpm/B07N8YD9N8/refsr_1_877?sr=1PBBE3B4R4Z1Jkwwetrs=12V%2Bdc%2Bmotor%2Bwith%2BEncoder&amp;qsr=12V%2BDC%2Bmotor%2Bwith%2B2%2BCas%2B1C15&amp;sr=8-7">https://www.aliexpress.com/Bemorec/Encoder_Gearmotor_600rpm_900rpm/B07N8YD9N8/refsr_1_877?sr=1PBBE3B4R4Z1Jkwwetrs=12V%2Bdc%2Bmotor%2Bwith%2BEncoder&amp;qsr=12V%2BDC%2Bmotor%2Bwith%2B2%2BCas%2B1C15&amp;sr=8-7</a>   |