

SCRAPER GOLD

Multi-Engine Breakout Expert Advisor for XAUUSD

MetaTrader 5 · Version 2.90 · User Manual

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SECTION 01

Introduction

ScraperGold is a fully automated Expert Advisor for MetaTrader 5, built specifically for gold (XAUUSD). Like a scraper working a vein of ore, it does not try to predict the whole move. It waits at proven price levels and takes a clean slice of momentum each time gold breaks out of its recent range.

Under the hood, ScraperGold runs **four independent strategy engines** (Scrap A, B, C and D). Each engine reads swing highs and swing lows on its own structure and window, places **Buy Stop** and **Sell Stop** orders just in front of those levels, and manages every trade with a fixed stop loss, a fixed take profit and a dynamic trailing stop. Because the engines look at different swing sizes, they complement each other: short-term breakouts, intraday session breakouts, medium swings and major structure levels.

Key features

- **4 breakout engines in one EA**: run all of them together or choose a single engine.
- **Pending-order execution**: entries are Buy Stop / Sell Stop orders, so a trade only opens when price actually moves through the level.
- **Every trade is protected**: a hard stop loss and take profit are attached to every order from the moment it is placed.
- **Engine-specific trailing stop** that locks in profit as the move extends.
- **Flexible money management** per engine: Fixed Lot, Risk %, or Risk per Balance (auto-compounding).
- **Built-in protections**: spread filter, session filter, pending-order expiry, Friday close cleanup and an optional high-impact USD news filter.
- **Broker safety checks** before every order: volume limits, stop level, free margin and MT5 OrderCheck.
- **PRO Gold dashboard** on the chart showing live engine status, account health and performance.

Specifications

Item	Detail
Platform	MetaTrader 5 (hedging or netting account; hedging recommended)
Symbol	XAUUSD / GOLD (all engine parameters are tuned for gold)
Chart timeframe	Any. The EA reads H1 and M15 data internally, so the chart timeframe does not change the logic. M15 or H1 is suggested for a clean view.
Order type	Buy Stop and Sell Stop pending orders
Engines	4 (Scrap A, Scrap B, Scrap C, Scrap D)
Stop loss / Take profit	Always set on every order
Grid / Martingale	None. Lot size never increases after a loss.
Recommended	Low-spread broker (ECN/Raw), VPS for 24/5 operation

SECTION 02

How ScraperGold Works

All four engines follow the same core idea. The differences are in **how big a swing** they look for, **how far** the entry sits from the level, and **how the trade is managed**.

Step-by-step cycle

Step	What happens
1. Scan	On every new H1 bar (Scrap A) or every new M15 bar (Scrap B, C, D) the engine scans recent price history.
2. Find the level	It looks for a valid swing high (for buys) and swing low (for sells). A swing is only valid if no newer candle has already exceeded it and enough older candles sit below/above it.
3. Check distance	The level must be far enough from the current price, so the EA never places an order right next to the market.
4. Place the order	A Buy Stop is placed just below the swing high, and a Sell Stop just above the swing low, with SL and TP attached.
5. Breakout	If price pushes through the level, the pending order is triggered and becomes a live trade.
6. Manage	Once the trade is in profit by the activation distance, the trailing stop follows price and locks in gains until TP or the trailing SL is hit.
7. Clean up	Old or invalid pending orders are removed automatically (expiry, session end, Friday close, news).

> **Why enter just before the level?**
> Stops and breakout traders cluster at obvious swing highs and lows. Placing the entry a little in front of the level lets ScraperGold join the move as it starts, instead of chasing it after the breakout candle.

SECTION 03

The Four Engines

Each engine has its own magic number and its own settings, and it is managed separately. Point values below are broker points. On a typical 2-digit XAUUSD quote, **100 points = 1.00 in price** (about $1 per 0.01 lot).

Scrap A — Short-Term Structure Breakout

Scans on every new H1 candle for swing levels formed at least 8 bars ago within the last 50 H1 bars. The level must be the extreme since it formed and hold against the 10 bars before it. Scrap A can keep a **ladder of up to 6 Buy Stops and 6 Sell Stops** on different levels at the same time, so it catches several breakout levels in a trend.

Scrap B — Session Breakout with Confirmation

The most selective engine. It needs a clean H1 swing (13 bars on the left for highs, 10 for lows) and then confirms it either with the right-hand bars or with an **M15 fractal**. The level must be seen on two consecutive scans before an order is placed, and **each level is traded only once**. Scrap B works only between **01:15 and 22:15 server time**, and its pending orders expire after 12 hours.

Scrap C — Medium Swing Breakout

Searches up to 200 H1 bars for swings that hold against 7 older bars. It skips any level that the current candle has already broken, and it only places orders when the spread is **80 points or less**. Uses a wider stop for volatile swings. Pending orders expire after 15 hours.

Scrap D — Major Structure Breakout

Targets the big levels: swings that hold against 26 older bars, formed at least 21 bars ago, within the last 235 H1 bars. These are levels the whole market watches. Same spread filter as Scrap C, and pending orders stay active up to 55 hours because major levels take longer to be reached.

Engine parameters (built-in, fixed)

Engine	Scan	Swing window	Min. distance	Entry offset	Stop Loss	Take Profit	Order life
Scrap A	H1 bar	10 older bars, lookback 50	50 pt	1.80	500 pt	1500 pt	Until filled / cleanup
Scrap B	M15 bar	13 / 10 older bars, lookback 160	Above/below price	1.50 buy / 1.90 sell	500 pt	2500 pt	12 hours
Scrap C	M15 bar	7 older bars, lookback 200	40 pt	2.20	1000 pt	2500 pt	15 hours
Scrap D	M15 bar	26 older bars, lookback 235	80 pt	2.20 buy / 1.25 sell	800 pt	1700 pt	55 hours

SECTION 04

Trade Management & Protection

Trailing stop

Every engine trails its trades with its own distances. The trailing stop only starts once the trade has gained the **activation** distance, then keeps the stop loss a fixed **trail distance** behind price. The stop loss only moves in the profitable direction, never backwards.

Engine	Buy: activation	Buy: trail distance	Sell: activation	Sell: trail distance
Scrap A	0 pt (immediately)	90 pt	10 pt	100 pt
Scrap B	15 pt	115 pt	10 pt	75 pt
Scrap C	15 pt	90 pt	25 pt	85 pt
Scrap D	100 pt	35 pt	115 pt	30 pt

Order management rules

- **One trade per side** for Scrap B, C and D. When one of these engines has an open buy, its pending buy order is removed, and the same applies to sells.
- **Smarter re-placement**: if a better level appears (at least 5 points better), the old pending order is replaced by the new one.
- **Friday cleanup**: from Friday 22:00 server time all pending orders are deleted to avoid weekend gaps. Open trades keep their SL/TP.
- **Spread filter**: Scrap C and D do not place orders while the spread is above 80 points.
- **Session filter**: Scrap B pending orders are removed outside 01:15 to 22:15 server time.
- **News filter** (optional): new entries are paused and pending orders are removed around high-impact USD news.
- **Broker pre-check**: before sending any order the EA verifies volume limits, the broker stop level, free margin and MT5 OrderCheck. If anything fails, the order is skipped and the reason is written to the Experts log.

> **No martingale, no grid, no averaging**
> Lot size is calculated only from your money-management setting. The EA never doubles lots after a loss and never opens recovery trades. Every position has a stop loss from the first second.

SECTION 05

Input Parameters

Open the EA properties (F7) and go to the **Inputs** tab. The inputs are grouped as follows.

EdgeLab / Web Request / Entry Mode

Input	Default	Description
Browse_EA_Catalogue	www.edgelabs.id	Information only. No effect on trading.
InpWebRequestURL	https://nfs.faireconomy.media	Backup news source used by the news filter. Add this URL in MT5: Tools > Options > Expert Advisors > Allow WebRequest.
InpStrategyMode	Scrap A + B + C + D	Choose which engines trade: all four together (default), or a single engine only (A, B, C or D).

Money management (one group per engine)

Scrap A, B, C and D each have their own four inputs, so you can give each engine a different size. The names end with the engine letter, for example *InpLotModeScrapA*.

Input	Default	Description
InpLotModeScrapX	Risk per Balance	How the lot size is calculated: Fixed Lot, Risk Percent or Risk per Balance (see below).
InpFixedLotScrapX	0.01	Fixed Lot mode: the lot used on every trade. Risk per Balance mode: the base lot for each reference balance.
InpRiskScrapX	0.25	Risk Percent mode only: % of balance risked per trade, measured to the stop loss.
InpBalanceRefScrapX	1000	Risk per Balance mode only: the balance that one base lot represents.

Lot mode	How it works	Example
Fixed Lot	Always trades the same lot size.	Fixed lot 0.02 > every trade is 0.02 lot.
Risk Percent	Lot = (balance × risk%) ÷ value of the stop-loss distance. The loss at SL stays about the same % of your account.	Balance $2,000, risk 0.25% > about $5 lost if SL is hit.
Risk per Balance	Lot = base lot × (balance ÷ reference balance). Lots grow automatically as the account grows.	0.01 per 1,000: balance $5,000 > 0.05 lot.

News filter

Input	Default	Description
InpUseNewsFilter	false	true = pause new entries and delete pending orders around high-impact USD news. Uses the MT5 economic calendar, with the web URL and a local cache as backups. Automatically bypassed in the Strategy Tester.
InpNewsMinutesBefore	30	Minutes before the news event when the pause begins.
InpNewsMinutesAfter	30	Minutes after the news event when trading resumes.
InpNewsWeekRiskMode	OFF	Optional manual lot reduction for weeks with major news: OFF, REDUCE 25% or REDUCE 50%. Applies to all engines.

System

Input	Default	Description
InpMagicScrapA	2101	Magic number for Scrap A trades.
InpMagicScrapB	2102	Magic number for Scrap B trades.
InpMagicScrapC	2103	Magic number for Scrap C trades.
InpMagicScrapD	2104	Magic number for Scrap D trades. All four must be unique and above 0. Change them only if another EA on the same account uses the same numbers.
InpDashboardMode	PRO	Chart display: PRO Gold panel (default), Full, Compact or Disabled. Display only; it never affects trading. Disabled uses the least CPU.

> **Tip on exposure**
> With all four engines active, several trades can be open at the same time. Scrap A alone can hold up to 6 pending orders per side. Size your lots with that in mind: start with the default Risk per Balance (0.01 per 1,000 for each engine) and raise it only after you are comfortable with the drawdown on your own account.

SECTION 06

PRO Gold Dashboard

The PRO dashboard appears in the top-left corner of the chart and refreshes every second. It is read-only: it shows what the EA is doing without changing anything. It is switched off automatically in non-visual backtests.

Panel	What it shows
Status badge	ACTIVE (green), ALGO OFF (red, enable Algo Trading), NEWS PAUSE or WEEKEND (orange).
Market	Symbol, live spread (green ≤ 80 pt), Scrap B session OPEN/CLOSED, news filter state, server name and time.
Account	Balance, equity, EA floating P/L, current drawdown %, today's P/L and total P/L of the EA.
Strategy Engines	One row per engine with a status light, number of Buy/Sell Stop orders, open lot, today's and total P/L, plus a total row.
Performance	Win rate with a progress bar, profit factor, number of closed trades and maximum drawdown %.

Engine status lights

Status	Meaning
SCANNING	Engine is active and searching for a valid level.
ARMED	Pending Buy Stop / Sell Stop orders are placed and waiting for a breakout.
IN TRADE	The engine has an open position that is being managed.
SLEEP	Scrap B is outside its trading session (01:15 to 22:15 server time).
OFF	The engine is disabled by the Entry Mode setting.

SECTION 07

Installation & Quick Start

Step	Action
1	In MT5 open **File > Open Data Folder**, then go to **MQL5 > Experts** and copy the ScraperGold file there.
2	Restart MT5 or right-click **Expert Advisors** in the Navigator and choose **Refresh**.
3	Open an **XAUUSD** chart (M15 or H1 suggested). Make sure the chart has enough H1 history loaded (scroll back a few weeks).
4	Drag ScraperGold onto the chart. In the **Common** tab tick **Allow Algo Trading**.
5	Set your money management in the **Inputs** tab and press OK.
6	Turn on the **Algo Trading** button in the MT5 toolbar. The dashboard badge turns green: ACTIVE.
7	(Optional) To use the news filter, set InpUseNewsFilter = true and add the WebRequest URL in Tools > Options > Expert Advisors.

Best practice

- Run the EA on **one XAUUSD chart only**. A second chart with the same magic numbers would duplicate orders.
- Use a **VPS** close to your broker's server so the EA runs 24/5 with low latency.
- Choose a broker with **low spreads on gold**. High spreads block Scrap C/D and reduce profits for every engine.
- **Start on a demo account** and trade it for at least a few weeks before going live, so you can see how the EA behaves with your broker.
- Check that your broker quotes gold with 2 decimals. If it uses 3 decimals, all point distances will be 10× smaller in price. Test on demo first.
- Messages from the EA (orders placed, broker rejections, hourly heartbeat) appear in the **Experts** tab of the Toolbox.

SECTION 08

Risk Disclaimer

Trading foreign exchange, gold and other leveraged CFD products carries a high level of risk and may not be suitable for all investors. Leverage can work against you as well as for you. You can lose some or all of your deposit, so never trade with money you cannot afford to lose.

ScraperGold is a trading tool, not a guarantee of profit. Past performance, whether from backtests, demo trading or live accounts, does not guarantee future results. Backtests cannot fully reproduce real conditions such as slippage, spread widening, requotes, execution delays and broker-specific rules.

Results can vary between brokers, account types, VPS locations and settings. The user is fully responsible for choosing the lot size, the risk settings and the account on which the EA is used. EdgeLab is not responsible for any losses resulting from the use of this software.

Nothing in this document is financial advice. If you are unsure whether trading is right for you, seek advice from an independent licensed financial advisor.



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