TRADERSUITE · AUTOMATED STRATEGY SERIES

TS Precision Scalper

The complete user guide — an automated futures scalper for NinjaTrader 8 that trades the TS Precision Signals engine for you: small fixed targets, tight stops, tick-by-tick fills, session windows, daily limits, and every number in this guide taken from the tested history.

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GETTING ORIENTED

Contents

How to read this guide

Section 1 gives you the tested numbers and the three settings that matter most, so you can be running in ten minutes. Sections 2–5 explain what the bot does and what you see on the chart. Sections 6–11 are the part most guides skip: **when** to let it trade, how to set that up from anywhere in the world, and how to run it on a prop-firm account. Section 13 documents every input.

SECTION 01

The numbers at a glance

BEST CHART: 2-MINUTE

Every number below comes from a 2-minute chart with 1-minute triggers. A 3-minute chart works the same way (1-minute triggers, 3-minute context) — start with 2 minutes, it is the tested one.

2 – 5 TRADES A DAY

per instrument — it waits for its set-up, it does not churn

SECONDS, NOT HOURS

median hold 13 s on NQ, 1 min 42 s on YM

NQ — one contract, 2 Jan to 3 Sep 2026, London mornings + US afternoons

+$10,524 NET AFTER COSTS	59.8% WIN RATE	$21 PER TRADE	$480 WORST DRAWDOWN
497 TRADES	1.77 PROFIT FACTOR	9/9 MONTHS POSITIVE	3.2 TRADES / DAY

YM — one contract, 2 Jan to 4 Sep 2026, 08:00 to 21:00 London time

+$11,482 NET AFTER COSTS	58.2% WIN RATE	$19 PER TRADE	$546 WORST DRAWDOWN
615 TRADES	1.67 PROFIT FACTOR	9/9 MONTHS POSITIVE	3.7 TRADES / DAY

Costs are already in

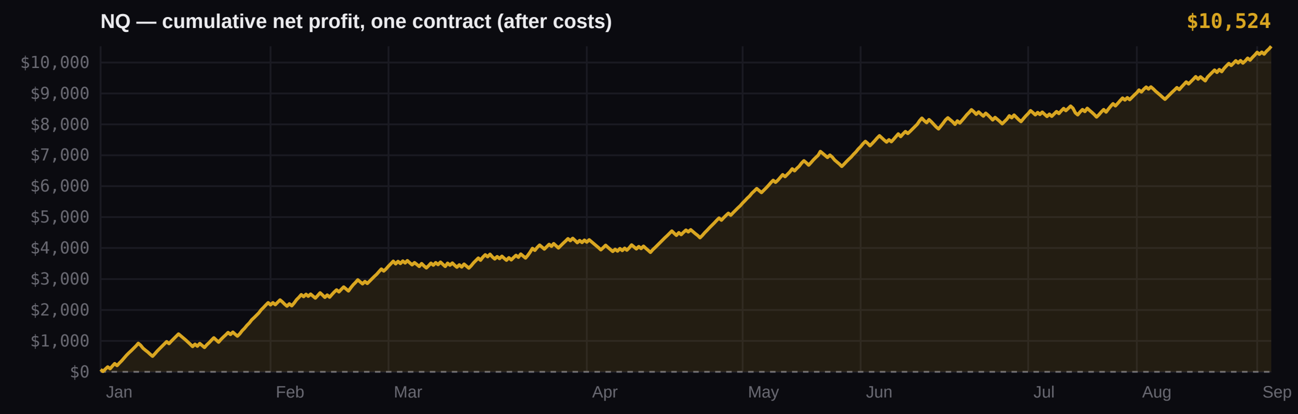
Every figure is after $4.50 commission per round trip and one tick of slippage on every market order and stop. Fills are simulated tick by tick on real tick data, not guessed from bars.

What the drawdown means

The worst peak-to-valley dip on one contract was under $550 on both markets. That is the number to size from: with three contracts expect about three times that.

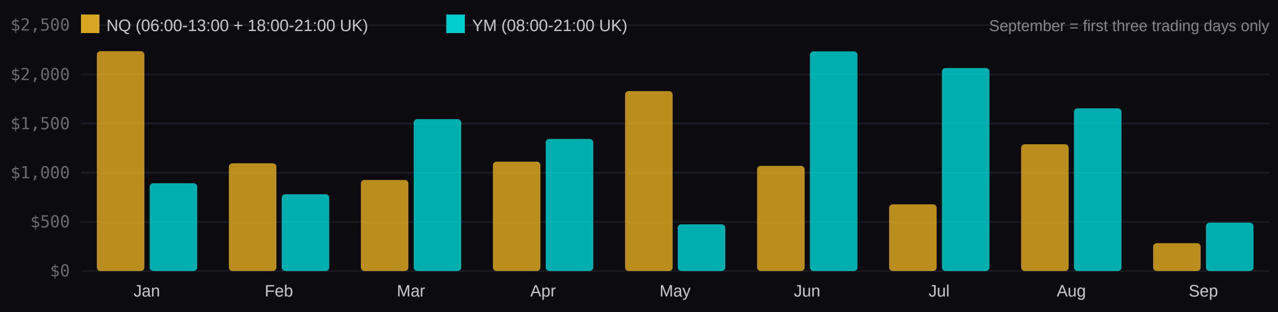
Hypothetical performance. These are back-tested results, not live trading. Back-tests are prepared with hindsight, do not include the effect of real order books, outages or human decisions, and no representation is made that any account will achieve results like these. Past performance does not guarantee future results. Trading futures carries substantial risk of loss.

The equity curves, month by month



NQ: 497 trades, every month positive, worst dip $480. The curve is what a small, steady edge looks like — no single day carries it.

YM: 615 trades, every month positive, worst dip $546. A slower market than NQ (median hold about two minutes) with the same per-trade edge.



Month by month. The weakest months (NQ July, YM May) were still positive; the two markets' weak months did not coincide.

NQ worst tested day −$342 · best day +$402 · longest losing run 6 trades. YM worst day −$338 · best day +$578 · longest losing run 8 trades. All on one contract after costs.

SECTION 02

What this strategy does

TS Precision Scalper turns the arrows of the TS Precision Signals engine into orders, automatically, and manages every trade to a fixed target or a fixed stop. The engine reads the chart — trend, momentum, structure, key levels, higher-timeframe agreement — and fires a buy or sell arrow when a set-up scores highly enough. The scalper takes that arrow within a second, places its stop and target on a 1-tick series so they fill exactly where price trades, and steps aside until the next arrow. It never adds to a loser, never holds through a session break, and stops itself for the day if your loss limit is hit.

The engine decides, the bot executes

Signals come from TS Precision Signals v2.3 — the same confluence engine sold as an indicator. The strategy hosts it, hands it your licence key and reads its arrows. You see the engine's panel and radar on the chart while the bot trades.

Fixed target, fixed stop

16 ticks of target against 12 ticks of stop on NQ and YM (the tested shape). Both are live exchange orders from the first tick after the fill — no waiting for a bar to close.

Trades only when you say

Up to three time windows, set in New York time so they never drift against the US session. A daily loss limit, a daily profit target, a cap on trades per day and a guard against thin reopen prices.

Optimisable and transparent

Every trading input is exposed to NinjaTrader's Strategy Analyzer optimiser. Run it on your own market and period, read the results grid, and keep what holds up (Section 12).

Who it's for

Traders who want a rules-based scalper on index futures without watching every tick — including funded and evaluation accounts, where the daily limits and session windows do the discipline for you. It was built and tested on **NQ and YM on a 2-minute chart**; it runs unchanged on their micros and can be tested on ES and RTY (Section 9).

NQ / MNQ · YM / MYM · ES / MES, RTY / M2K — test first · 2-minute chart (3-minute also) · 1-minute triggers · Sim → funded → live

A note on honesty

This is a scalper with a small edge per trade — about $15–25 a contract after costs in testing. It lives or dies on costs, fills and discipline. The numbers in Section 1 are what it did on historical tick data with realistic costs; they are not a promise about next month. Run it on a simulation account for at least two weeks before any money, and read Section 16.

SECTION 03

Installing it — step by step

Installation takes about two minutes. You need NinjaTrader 8 (64-bit, 8.1 or later), the `.zip` from your purchase email or account download page, and a data feed with **tick data** for your instrument (the bot fills orders on a 1-tick series).

1. **Download the zip — and leave it zipped.** It contains both the strategy and the signals engine. NinjaTrader imports the whole archive; do not extract it.
2. **Import.** Control Center → Tools → Import → NinjaScript Add-On…, browse to the zip, confirm. If you already have `TS_Precision_Signals` installed on its own, remove it first (Tools → Remove NinjaScript Assembly) so the engine exists once.
3. **Restart NinjaTrader.** This guarantees the new assembly is loaded.
4. **Open a 2-minute chart** of NQ (or YM) and add the strategy: right-click the chart → Strategies… → TraderSuite folder → `TS_Precision_Scalper`.
5. **Enter your licence key** in 1. Engine → License Key. Leave it empty for an automatic 7-day trial. The key is passed to the engine; the engine's panel shows the licence state.
6. **Set the three things that matter** — target/stop, your time windows (Sections 6–7) and contracts — then tick Enabled and click OK. The status box in the top-right corner should read flat · today: 0 trades.

Requirements

NinjaTrader 8 (8.1+, 64-bit) · tick data for your instrument (for back-tests, download it under Tools → Historical Data) · an internet connection for the first licence validation · a Sim101 account to start on.

Moving machines?

Deactivate the old machine from your account dashboard first, then activate on the new one. Activations used/allowed are shown on the engine panel.

Tip — save it as a template

Once the settings are right, click *template* at the bottom of the strategy dialog and save it as **NQ scalper** (and another as **YM scalper**). Loading a template puts every input back exactly, which is how you avoid mis-set windows on a Monday morning.

SECTION 04

Anatomy of the chart

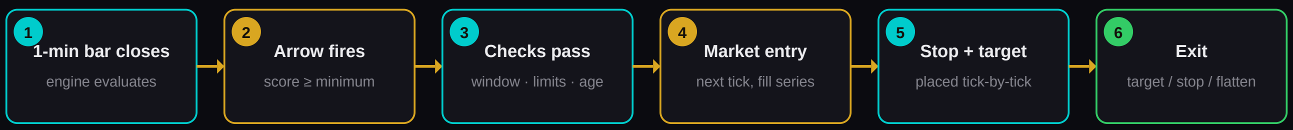
Everything the bot and the engine draw, on one screen. Arrows and brackets come from the engine; the status box is the strategy's; the panel and radar are the engine's and can be switched off in 4. Display & log.

A 2-minute NQ chart: a sell arrow that stopped out, a buy arrow that reached its target, and a forming arrow on the live bar. The three boxes are the strategy status (top right), the engine panel (bottom left) and the signal radar (bottom right).

1. **Buy arrow** with the engine's score (R = reversal, C = continuation). The bot trades it if the score is at or above `Minimum score` and every check in Section 5 passes.
2. **Sell arrow** — the same for shorts. This one hit its stop: the red shaded band is the 12-tick risk.
3. **The bracket** — gold entry line, green target 16 ticks away, red stop 12 ticks away. Both are real working orders from the first tick after the fill.
4. **Strategy status** — position, trades and profit today, the last arrow seen, and the reason it is waiting ("outside session windows", "market just reopened", "daily loss limit hit").
5. **Engine panel** — licence state, regime and ADX, buy and sell scores, higher-timeframe direction, trigger status.
6. **Signal radar** — how close the next arrow is on each side and what it still needs. A reading, not a signal.
7. **Forming arrow** — dotted preview on the live bar. It only becomes a trade if the bar closes with the set-up intact. Nothing repaints once a bar has closed.

SECTION 05

How a trade happens



Typical hold: seconds to a few minutes. One position at a time. Nothing repaints - an arrow is fixed the moment its bar closes.

From arrow to exit in six steps. Steps 3 and 4 are where the bot's own rules live.

The checks between an arrow and an order

Check	What it does	Status box says
`Score`	The arrow's confluence score must be at least `Minimum score` (60 by default). Raising it trades less and more selectively.	score 54 below 60
`Windows`	The current time must fall inside an enabled window (Section 7). Outside every window it also flattens anything still open.	outside session windows
`Reopen guard`	After any pause in the data — the 5 pm New York break, weekends, holidays — no entries for the first 3 minutes. The first prints after a reopen are thin and can be far from fair value.	market just reopened
`Arrow age`	An arrow older than 2 minutes is never chased. Protects you when the strategy is started or restarted mid-move.	skipped: arrow too old
`Daily limits`	Trades per day, daily loss limit and daily profit target. Any one of them stops trading for the rest of the day and flattens.	daily loss limit hit
`One position`	Already long or short? An arrow the same way is ignored; an opposite arrow exits (or reverses, or is ignored — your choice).	already in a long

How exits work

Stop-market and limit target are placed on the 1-tick series on the very next tick after the fill, live until cancelled. When one fills the other is cancelled. A market flatten is used for the time stop, an opposite arrow, a window closing or a daily limit.

Why tick-level fills matter

NinjaTrader's normal back-test cannot see inside a bar, so a 3-point target inside a 15-point bar is a guess. This bot fills on real ticks — in testing and live — which is why its back-test numbers and its live behaviour match.

Break-even and time stop

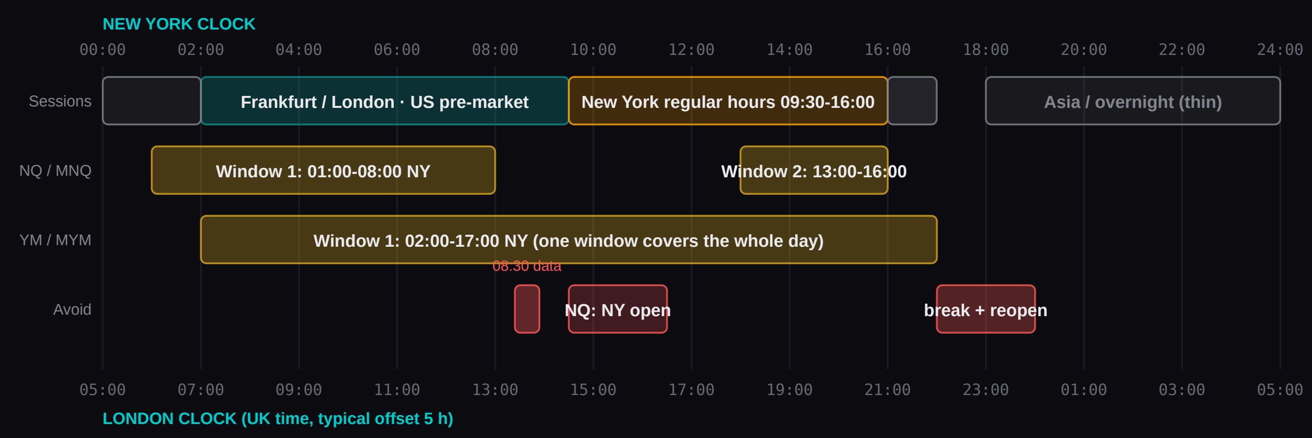
Both exist and both are optional. In the tested configuration **break-even is 0 (off)**, and trades resolve so fast that the 10-bar time stop almost never fires. Leave them at the recommended values unless you have tested a change.

When to trade — London and New York

Timing is the single biggest lever in this bot. The same arrows that make money in the London morning lose money at the New York open. The history says exactly where the edge lives, and it is not the same on NQ and YM.

LONDON SESSION FIRST

06:00–13:00 London time on NQ · 08:00–13:00 London time is the best block on YM · the US afternoon is the second-best block on both



The 24-hour day on the New York clock (top) and the London clock (bottom). Gold = the tested windows. Red = the times to avoid: the daily break and reopen, the 08:30 New York data releases, and on NQ the first two hours after the US open.

NQ / MNQ — two windows

01:00–08:00 New York (06:00–13:00 London) is the engine room: 71% wins in the 06:00 London hour alone. Then **13:00–16:00 New York** (18:00–21:00 London). Skip the New York open: 09:30–11:30 New York earned under $2 a trade in testing — noise after costs.

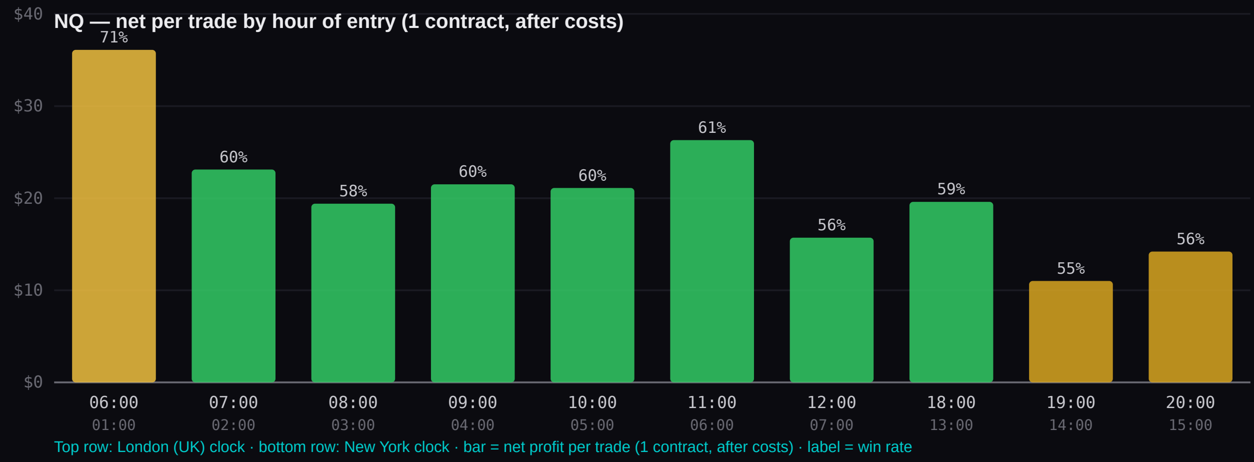
YM / MYM — one long window

02:00–17:00 New York (07:00–22:00 London). YM does not need the open carved out — its only soft hour is 15:00–16:00 London. The best hour is **08:00 London** (73% wins) and the US afternoon is nearly as strong. YM's 06:00 London hour *loses*, so it starts later than NQ.

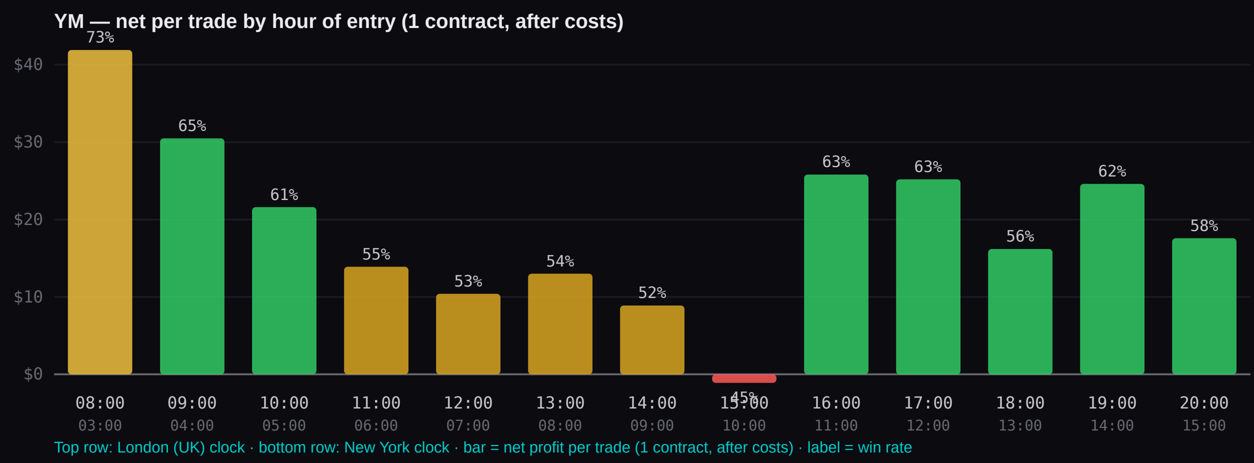
Session event	New York	London	What it means for the bot
Frankfurt / London open	02:00 / 03:00	07:00 / 08:00	Orderly moves begin — the core of both windows
US pre-market data (CPI, NFP, PPI…)	08:30	13:30	Switch off 15 min before on release days (Section 11)
New York open	09:30	14:30	NQ window 1 ends here; YM keeps going
US afternoon	13:00 – 16:00	18:00 – 21:00	Second block on both markets
Daily break and reopen	17:00 – 18:00	22:00 – 23:00	Never trade it; the reopen guard covers the first minutes

Why London first? Index futures move in a steady, orderly way through the European morning — enough movement for a 4-point target, without the violent swings of the US open that hit a 3-point stop before the set-up can work. The US afternoon behaves similarly once the open has settled.

Hour by hour, from the tested history



NQ: 06:00 London is the best hour of the day ($36 a trade, 71% wins). Every hour in the two windows is positive.



YM: 08:00–10:00 London is the engine room ($42 and $30 a trade). 15:00 London is the only losing hour; the US afternoon (16:00–21:00 London) is solid.

Block (London time)	New York time	NQ per trade	YM per trade	Verdict
06:00–08:00	01:00–03:00	$36 / $23	−$6 (06:00)	NQ yes · YM no
08:00–13:00	03:00–08:00	$16–26	$10–42	Both — the core
13:00–14:30	08:00–09:30	$10	$13	OK, mind the 08:30 data
14:30–16:30	09:30–11:30	$2	$9 → −$1	NQ skip · YM marginal
16:00–21:00	11:00–16:00	$11–20 (from 18:00)	$16–26	Both — second block
22:00–06:00	17:00–01:00	not traded	losing	Off. Thin, plus the reopen.

SECTION 07

Setting it up for your time zone

You never have to convert anything. Leave `Times are New York time` switched on and type the windows in New York time. The bot converts to your computer's clock itself, and it keeps the cut-off pinned to the US open even in the weeks when Europe and America change their clocks on different dates.

1. Open the strategy settings → 3. Session & limits. Tick `Times are New York time`.
2. Tick `Window 1` and type its start and end as four digits, New York time: `100` and `930` for NQ; `200` and `1700` for YM.
3. NQ only: tick `Window 2`, `1300` to `1600`. Leave Window 3 off.
4. Click OK. Check the status box: outside the windows it reads *outside session windows*; inside, it reads *flat*. That is your confirmation the clock is right.

What those windows are on your clock

Standard-time offsets. During daylight-saving weeks the gap can move by an hour, which is exactly why the bot works in New York time and you do not.

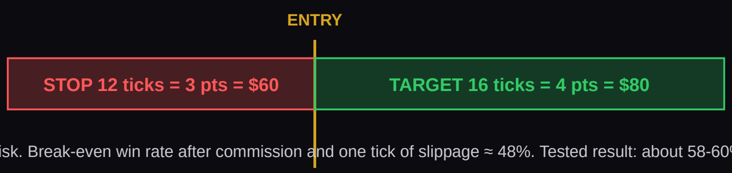
Where you are	NQ window 1 (01:00–08:00 NY)	NQ window 2 (13:00–16:00 NY)	YM window (02:00–17:00 NY)
New York · Toronto	01:00 – 08:00	13:00 – 16:00	02:00 – 17:00
Chicago	00:00 – 07:00	12:00 – 15:00	01:00 – 16:00
Los Angeles	22:00 – 05:00	10:00 – 13:00	23:00 – 14:00
London · Lisbon	06:00 – 13:00	18:00 – 21:00	07:00 – 22:00
Paris · Berlin · Rome	07:00 – 14:00	19:00 – 22:00	08:00 – 23:00
Dubai	10:00 – 17:00	22:00 – 01:00	11:00 – 02:00
Mumbai · Delhi	11:30 – 18:30	23:30 – 02:30	12:30 – 03:30
Singapore · Hong Kong	14:00 – 21:00	02:00 – 05:00	15:00 – 06:00
Sydney	17:00 – 00:00	05:00 – 08:00	18:00 – 09:00

If you would rather use your own clock

Untick `Times are New York time` and the windows become your chart's clock (your PC's time zone). Read the London column above and type those times — but remember to move them by an hour in the two or three weeks a year when UK and US daylight saving do not line up. A window may also wrap past midnight: `1800` to `0200` is valid.

SECTION 08

Recommended settings — NQ and YM



Reward 1.33 × risk. Break-even win rate after commission and one tick of slippage ≈ 48%. Tested result: about 58-60%.

NQ tick = $5 · MNQ tick = $0.50 (same ticks, one-tenth of the money) · YM tick = $5 · MYM tick = $0.50

The tested shape: reward larger than risk, so it only needs to win about half the time.

STRICTNESS: SHOW ALL · MINIMUM SCORE: 60

Always run **ShowAll**. The stricter modes add an ADX gate on top of the score and cut trades to a trickle; with the score at 60 the selection is already done. The tested numbers use ShowAll.

Setting	NQ / MNQ	YM / MYM	Note
Chart	2-minute	2-minute	3-minute also works; 2 is tested
Strictness · Minimum score	ShowAll · 60	ShowAll · 60	Raise to 65–70 for fewer, better trades
Trigger · HTF filter · multiplier	1 · on · 5	1 · on · 5	engine defaults
Levels · room gates · vol. filter · cooldown	on · on · on · 5	on · on · on · 5	engine defaults
Target (ticks)	16	16	= 4 points, $80 a contract
Stop mode · stop · min · max	Fixed · 16 · 8 · 12	Fixed · 16 · 8 · 12	max 12 clamps the stop to 12 ticks ($60)
Break-even · Time stop	0 · 10	0 · 10	as tested
Opposite arrow · Max arrow age	Exit · 2	Exit · 2	
Tick-level fills · Reopen guard	on · 3	on · 3	never switch tick fills off
Times are New York time	on	on	Section 7
Window 1	on · 0100–0930	on · 0200–1700	New York time
Window 2 · Window 3	on · 1300–1600 · off	off · off	
Max trades per day	20	20	a ceiling, not a target — expect 2–5
Daily loss limit · profit target	$300 / contract · 0	$300 / contract · 0	Section 10 for prop firms
Contracts	1 to start	1 to start	size up only after sim results match

Two markets, two templates. Save these as two strategy templates. The only difference is the windows — and that difference is worth about 100 losing trades a year on YM's early hours, so do not share one template between them.

SECTION 09

Other markets — ES, RTY and the micros

The bot runs on any futures contract NinjaTrader can chart with tick data, but the settings do not transfer by copying. Ticks are worth different amounts and markets move at different speeds, so "16 ticks" is a different trade on each one.

Market	Tick value	16 / 12 ticks means	Status	Where to start
NQ	$5.00	+$80 / −$60	Tested — Section 1	Use Section 8 as is
MNQ	$0.50	+$8 / −$6	Same ticks as NQ	Section 8, ten micros ≈ one mini
YM	$5.00	+$80 / −$60	Tested — Section 1	Use Section 8 as is
MYM	$0.50	+$8 / −$6	Same ticks as YM	Section 8, ten micros ≈ one mini
ES / MES	$12.50 / $1.25	+$200 / −$150 — too big	Test first	Try target 8 / stop 6, then optimise
RTY / M2K	$5.00 / $0.50	+$80 / −$60	Test first	Start with Section 8, then optimise

How to test a new market properly

Download its tick data (Tools → Historical Data), run the Strategy Analyzer with commission on and slippage 1, over at least six months, then export the Trades grid. Look at profit per trade by hour and by month before you look at the total. Set the windows from what *that* market shows — NQ and YM already disagree about the early morning.

Running several markets at once

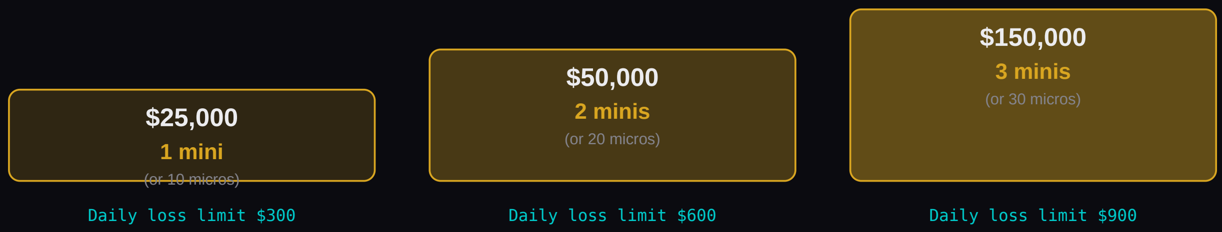
Each chart runs its own copy of the bot with its own template. Two to five trades a day per instrument means four markets are still only a dozen trades a day. Their bad days rarely line up, so the combined drawdown is usually smaller than the sum. Keep one daily loss limit per chart and know what they add up to.

Roll the contract

Index futures expire quarterly (March, June, September, December). About a week before expiry, switch the chart to the next contract and restart the strategy. Trading the old contract into expiry means thin volume and wide spreads — the reopen guard cannot help you there.

Prop-firm accounts

One mini per $25,000 of account. Never more. Set the strategy's daily loss limit well inside the firm's daily drawdown rule.



The sizing ladder: one mini per $25,000 of account. The daily loss limit scales with it and always sits inside the firm's own rule.

Best fit: end-of-day drawdown accounts. The bot is flat within minutes of every trade and flat at every window's end, so it never carries a position that an intraday trailing-drawdown rule could punish mid-trade. If your firm offers a choice, take end-of-day.

Account	Contracts	Strategy daily loss limit	Typical firm daily rule	Worst tested day (per contract)
$25,000	1 mini (or 10 micros)	$300	$500 – $1,000	−$342 NQ · −$338 YM
$50,000	2 minis (or 20 micros)	$600	$1,000 – $2,000	×2
$150,000	3 minis (or 30 micros)	$900	$3,000 – $4,500	×3

The rules that keep a funded account alive

- **Size from the drawdown, not the profit.** The worst tested peak-to-valley dip was about $550 a contract. A $25,000 account with a $1,500 trailing drawdown can absorb that on one mini with room to spare; it cannot on three.
- **Set the strategy's daily loss limit below the firm's** — a third to a half of it. The bot halts and flattens itself; the firm's rule should never be the thing that stops you.
- **Micros while you qualify.** Ten MNQ behave like one NQ at a tenth of the money. Pass the evaluation on micros if the firm allows it, then scale.
- **Consistency rules.** Some firms cap how much of your profit may come from one day. A daily profit target ($500 on a one-mini account) keeps single days from dominating — and takes the bot off the field after a good morning.
- **Turn it off before the news, on half days and holidays** — Section 11. Evaluations are lost on one bad print far more often than on a hundred ordinary trades.
- **Run the firm's platform copy on sim first.** Fills, commissions and data can differ from your own NinjaTrader. Two weeks on the firm's sim, then live.

SECTION 11

News, holidays and days to sit out

A scalper with a 3-point stop has no business being in the market when a headline can move 40 points in a second. The bot cannot read the calendar; you can. These are the rules that protect the edge.

Big scheduled news — off before and during

Turn the strategy off **15 minutes before** and leave it off for **30 minutes after**: CPI, Non-Farm Payrolls, FOMC decision and press conference, PPI, GDP, retail sales, ISM manufacturing and services, JOLTS, consumer confidence. Most land at 08:30 or 10:00 New York — 13:30 / 15:00 London.

FOMC days — the whole afternoon

On Fed decision days (eight a year, 14:00 New York) do not run the US-afternoon window at all. The day *before* an FOMC is often dead and choppy — a good day to run mornings only, or not at all.

Half days and holidays — off

Thanksgiving Friday, Christmas Eve, New Year's Eve, the day before Independence Day and other early closes have thin books and odd prices. US holidays where the exchange is open but New York is closed are the same. Do not trade them.

The first and last minutes

The reopen guard blocks the first 3 minutes after every break. On top of that, avoid the last 15 minutes before the 17:00 New York close and the Sunday-evening reopen hour entirely — the tested windows already exclude them.

A simple weekly routine

1. **Sunday:** open an economic calendar for the week (any free one, or the TS Economic News Pro indicator). Note every red-flag release and the FOMC.
2. **Each morning:** if today has a red-flag release inside a window, decide now whether to run the window at all or stop the bot 15 minutes before. Set an alarm.
3. **Half day or holiday:** leave the strategy disabled. Nothing is lost by missing a thin day; a great deal is lost by trading one.
4. **Rollover week:** move to the new contract a few days before expiry (Section 9).

Why not just widen the stop?

A wider stop turns a scalper into something else: it changes the win rate, the drawdown and the reason the edge exists. The tested shape works because it takes many small, quick trades in orderly hours. Sitting out the disorderly hours is cheaper than any setting.

SECTION 12

Optimising the bot

This bot is fully optimisable. Twenty-six of its inputs are exposed to NinjaTrader's Strategy Analyzer optimiser — target, stop, score, windows, limits, the engine's throttles — so you can tune it to your market, your hours and your costs, and re-check it as the market changes.

1. Control Center → New → Strategy Analyzer. Pick `TS_Precision_Scalper`, the instrument, a 2-minute chart, six months or more, **commission on and slippage 1**.
2. Set Backtest type to **Optimization**. Every optimisable input now shows minimum / maximum / step boxes. Leave everything at a single value except the one or two you are testing.
3. Run. Then sort the results grid by **Net profit** and again by **Profit factor**, and read across the neighbours of the best row, not just the best row.

The sweeps worth running, in order

Sweep	Range	What it tells you
`Target × stop`	`8–20 step 2 × 8–16 step 4`	The shape of the trade. Look for a smooth region; 16/12 should sit inside it on NQ and YM.
`Minimum score`	`50–75 step 5`	Selectivity. Higher = fewer, better trades. Stop where profit per trade stops rising.
`Window start / end`	`hour steps`	Your market's good hours. Compare per-trade, not total.
`Engine cooldown / room gates`	`1–5 / on–off`	Trade count without changing the shape. Keep only if per-trade holds above ~$8.

The neighbours rule

A setting is real only if the values either side of it are also good. Target 16 is believable because 14 and 18 are decent too. A single spike surrounded by poor results is a curve fit and will not repeat.

Keep the runs honest

Tick-level fills on, commission on, slippage 1. Never optimise on the same months you then judge by — hold the last two months back and check the winner on them. Combinations multiply: five values of two inputs is 25 tick-level runs; four inputs is 625.

Re-check, don't re-fit

Once a quarter, rerun the reference back-test with the current settings. If per-trade profit or the monthly pattern has clearly changed, run the sweeps above. Do not chase last month's best cell every week.

SECTION 13

Settings reference — every input

Every input in the strategy dialog, by group, with the value it ships with. Where the recommended value differs from the default it is marked in bold — Section 8 has the full recommended set for NQ and YM.

1. Engine

Option	Default	Meaning
`License Key`	`(empty)`	Your TraderSuite key for TS Precision Signals. Handed to the hosted engine. Empty = 7-day trial.
`Strictness`	`Strict`	Engine mode: Strict (ADX ≥ 30), Balanced (ADX ≥ 22), ShowAll (score only). **Recommended: ShowAll.**
`Trigger timeframe (minutes, 0 = chart bars)`	`1`	1 on a 2-minute chart = 1-minute decisions with 2-minute context. 0 = the chart's own bars decide.
`Higher-timeframe filter`	`On`	Only trade with the direction of the higher timeframe (chart period × multiplier).
`HTF multiplier`	`5`	2-minute chart × 5 = 10-minute context.
`Use levels`	`On`	Engine considers daily/weekly levels and expected-move bands when scoring.
`Engine room gates`	`On`	Engine's measured-move and room-to-level gates. Off = more arrows; test before using.
`Engine volatility filter`	`On`	Engine skips dead and wild periods.
`Engine cooldown (chart bars)`	`5`	Minimum chart bars between two arrows on the same side.
`Minimum score`	`60`	Arrows scoring below this are ignored. **Recommended: 60.**
`Signal kinds`	`Both`	Both, ReversalOnly or ContinuationOnly.
`Direction`	`Both`	Both, LongOnly or ShortOnly.

2. Orders

Option	Default	Meaning
`Contracts`	`1`	Contracts per trade.
`Target (ticks)`	`12`	Profit target as a limit order. **Recommended: 16.**
`Stop mode`	`FixedTicks`	FixedTicks uses the stop below; SignalStop uses the engine's structural stop, clamped between min and max.
`stop (ticks)`	`16`	Stop distance (FixedTicks).
`min stop (ticks)`	`8`	Lower clamp on the stop.
`max stop (ticks)`	`24`	Upper clamp on the stop. **Recommended: 12**, which makes the effective stop 12 ticks.
`Break-even after (ticks, 0 = off)`	`8`	Move the stop to entry once this far in profit. **Recommended: 0** (as tested).

Settings reference — every input

2. Orders (continued)

Option	Default	Meaning
break-even plus (ticks)	1	Where the stop goes when break-even arms: entry plus this many ticks.
Time stop (chart bars, 0 = off)	10	Flatten after this many chart bars in a trade.
Opposite arrow while in a trade	Exit	Exit, Reverse or Ignore.
Max arrow age (minutes)	2	An arrow older than this is never traded.
Tick-level fills (adds a 1-tick series)	On	Orders on a 1-tick series: tick-accurate fills in back-tests and live. Keep on.
No entries after a reopen (minutes)	3	No entries for this long after any pause in the data.

3. Session & limits

Option	Default	Meaning
Times are New York time	On	All window times are US Eastern. Off = the chart's clock.
Window 1	On	Enable window 1.
window 1 start (HHMM)	100	Four digits, e.g. 100 = 01:00, 1300 = 13:00.
window 1 end (HHMM)	930	Positions still open when every window has closed are flattened.
Window 2	Off	Enable window 2.
window 2 start (HHMM)	1100	
window 2 end (HHMM)	1600	
Window 3	Off	Enable window 3. A window may wrap midnight (start > end).
window 3 start (HHMM)	1800	
window 3 end (HHMM)	2100	
Max trades per day (0 = off)	20	Hard ceiling on entries per day.
Daily loss limit (currency, 0 = off)	300	Realised loss for the day at which the bot halts and flattens.
Daily profit target (currency, 0 = off)	0	Realised profit at which the bot stops for the day.

4. Display & log

Option	Default	Meaning
Show engine panel	On	The engine's statistics panel (bottom left).
Show engine radar	On	The engine's signal radar (bottom right).
Show strategy status	On	The strategy's status box (top right).
Engine CSV log	Off	Write the engine's signal log. Off so optimisations do not spray files.
log folder	(empty)	Folder for the CSV log.

SECTION 14

Licensing & activation

The strategy does not check licences itself — it passes your key to the hosted `TS_Precision_Signals` engine, which validates once, caches for 24 hours and keeps working offline within a grace window. No valid engine licence means no arrows, and no arrows means no trades.

Getting started

1. Add `TS_Precision_Scalper` to a chart (Strategies dialog → TraderSuite folder).
2. Open its settings and find 1. Engine → License Key.
3. Paste your **License Key** — or leave it empty to start an automatic 7-day trial.
4. Click OK. The engine panel's LICENCE line confirms your status.

Licence states you may see

Panel shows	Meaning
`LICENSED`	Valid product licence, activated on this machine.
`MEMBER`	Active membership licence.
`TRIAL Xd`	Free trial, days remaining shown.
`OFFLINE MODE`	Server unreachable; running on the offline grace period.
`LICENCE REQUIRED`	Attention needed — invalid key, max activations, expired, or internet required. The overlay names the reason.

Activations

A product licence activates on a limited number of machines (shown as **used / max** on the panel). Need to move machines? Deactivate the old one from your account, then activate the new one. Back-tests and optimisations use the cached validation, so hundreds of runs do not count as activations.

SECTION 15

A trading day with the bot

A repeatable routine. This is an educational framework, **not financial advice** — apply your own plan and limits.

1. **Before the window opens.** NinjaTrader connected, chart on the current contract, strategy loaded from its template, account selected (Sim101 for the first two weeks). Check the calendar (Section 11).

2. **Enable it and read the status box.** It should say *flat* and, once the window opens, start showing *last arrow* lines. If it says *outside session windows* during your hours, the clock setting is wrong — Section 7.

3. **Let it work.** Two to five trades a day, each over in seconds to minutes. Do not add discretionary trades on the same account; the daily loss limit counts everything the strategy sees.

4. **News.** Disable 15 minutes before a red-flag release; re-enable 30 minutes after. The bot picks up cleanly — a fresh arrow, never an old one.

5. **If it halts.** "Daily loss limit hit" means it is done for the day. Do not raise the limit and restart. Tomorrow is another day; that is the whole point of the limit.

6. **End of day.** The bot is flat when the last window closes. Every week, export the Trades grid from the account's Trade Performance and compare fills with the back-test — slippage should stay near one tick.

Signs it is healthy

Per-trade profit near the tested $15–25 a contract, stops filling within a tick or two of the stop price, most trades over in under three minutes, and the monthly result positive more often than not.

Signs to stop and look

Fills consistently several ticks worse than the stop, trades taken outside your windows, a status box that never changes, or a month well below the worst tested month. Check data, clock and costs before changing the strategy.

Two weeks on sim, then micros, then minis

The sim proves the clock, the data and the fills. Micros prove your nerves with real money at a tenth of the size. Only then does the account earn a mini.

SECTION 16

What this strategy is not

- **Not a guarantee.** The numbers in this guide are back-tested on historical tick data with realistic costs. They describe the past; they do not promise the future.
- **Not a set-and-forget machine.** It needs you to keep it out of news, holidays, half days and expiring contracts, to keep the data feed healthy, and to size it sensibly.
- **Not a prediction of direction.** The engine measures confluence and probability; the bot trades a fixed small target against a fixed small stop, many times. Single trades are coin flips with a slight lean.
- **Not suitable for every account.** It places real orders under your configuration. Without tick data, a fast connection and low commissions the edge shrinks to nothing.
- **Not financial advice.** TraderSuite supplies software and education. Every decision to run it, on which account and at what size, is yours.

Risk disclosure

Futures trading involves substantial risk of loss and is not suitable for every investor. You can lose more than your initial deposit. Automated strategies can fail because of connectivity, data, platform or exchange problems and can place orders you did not expect. Hypothetical performance results have many inherent limitations: they are prepared with the benefit of hindsight, they do not reflect actual trading, and no representation is being made that any account will or is likely to achieve profits or losses similar to those shown. Past performance is not indicative of future results.

What it is

A disciplined executor for a tested signal engine: fixed risk, fixed reward, tick-accurate fills, session windows in New York time, daily limits, and every input open to optimisation — so that the part of trading most people get wrong, execution and discipline, is done the same way every time.

SECTION 17

Troubleshooting & FAQ

▸ **The engine shows LICENCE REQUIRED — Unknown product code.**

The key you entered belongs to a different product. The bot needs a TS Precision Signals key (product code TSPRS). Check your purchase email.

▸ **The Strategy Analyzer refuses 'High' order fill resolution.**

Correct — NinjaTrader only allows it for single-series strategies. Leave Order fill resolution on **Standard**: the bot carries its own 1-tick series and fills tick by tick anyway.

▸ **The back-test shows only a few days of trades.**

Your machine has tick data only for those days. Control Center → Tools → Historical Data → Load, instrument, type Tick, the full date range. Request it a month at a time if the whole range times out.

▸ **No trades at all, status box says 'outside session windows' during my hours.**

Times are New York time is probably off while you typed New York times (or the reverse). Section 7.

▸ **Only one or two trades a day. Is that right?**

Yes. Two to five a day per instrument is normal. Add a second market before loosening the score.

▸ **It took a trade at 18:00 New York and lost a lot in a second.**

That is the Sunday reopen or the daily reopen; the first prints are thin. The reopen guard (default 3 minutes) blocks this. Keep windows away from 17:00–19:00 New York.

▸ **Can I run it on a 1-minute or 5-minute chart?**

It runs; the numbers here are for a 2-minute chart with 1-minute triggers, and 3-minute behaves similarly. Anything else needs its own back-test.

▸ **The strategy is 'not in the list' after import.**

Restart NinjaTrader. If it is still missing, Tools → Remove NinjaScript Assembly for any older copy, then import again.

▸ **Compilation error after import mentioning TS_Precision_Signals.**

The engine is installed twice (standalone plus inside this package). Remove one — the bundle already contains it.

▸ **Licence says 'Internet required'.**

The first validation and each 24-hour refresh need a connection. After that it runs offline within the grace period.

▸ **Max activations reached.**

Deactivate a machine from your account dashboard, then activate this one.

▸ **Does it repaint?**

No. An arrow is fixed when its bar closes; the forming preview on the live bar is exactly that — a preview.

> **Still stuck?**
>
> Email **completetradersuite@gmail.com** with your NinjaTrader version, the strategy and engine versions from the panel, and a screenshot of the status box. The TraderSuite Team will get you running.

SECTION 18

Changelog

What changed in each release. Update through your account download page — import the new zip over the old version (delete the old file if NinjaTrader reports a duplicate).

Version	Notes
`v1.4.1`	**Current build.** Reopen guard: no entries for the first minutes after any pause in the data.
`v1.4`	Three session windows, all in New York time; known-good build archived for rollback.
`v1.3`	Engine throttles (room gates, volatility filter, cooldown) exposed to the strategy; 26 inputs made optimisable.
`v1.2`	Stop and target placed as explicit orders on the 1-tick fill series — tick-accurate exits in back-tests and live. Rejected orders no longer stop the strategy.
`v1.1`	1-tick fill series; break-even checks the live bid/ask; session window converted to New York time.
`v1.0`	Initial release — hosted TS Precision Signals engine, fixed-tick target and stop, daily limits, status box.

Staying current

Licence holders get every update free. The status box shows your installed version; compare it with the version on the product page whenever you like.

TraderSuite

Thank you for trading with TS Precision Scalper. For the latest build, video walkthroughs and support, visit us online.

Web tradersuite.online

Email completetradersuite@gmail.com