

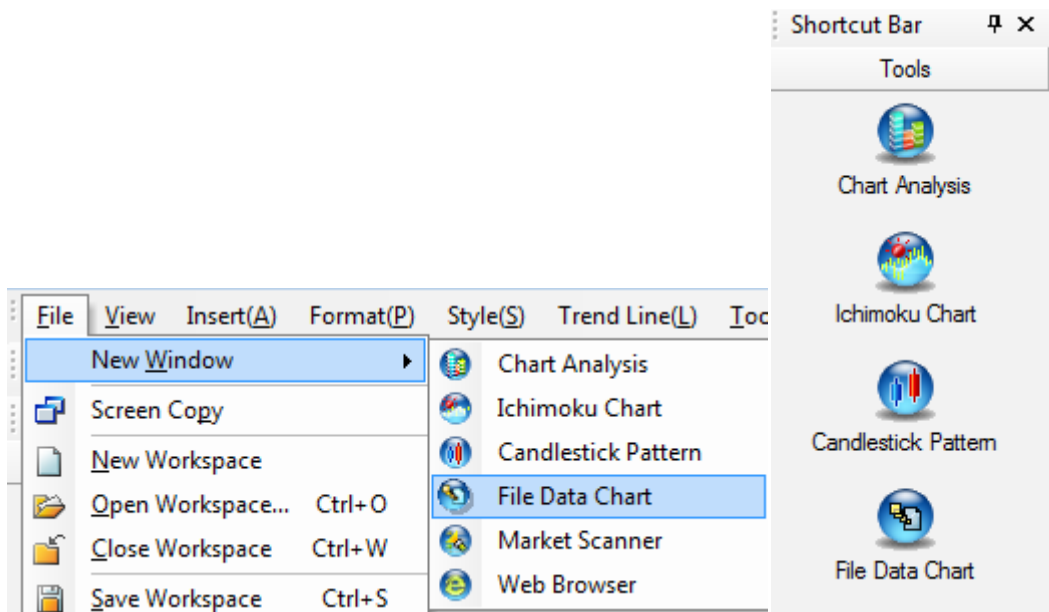
File Data Chart

Start to set up File Data Chart,

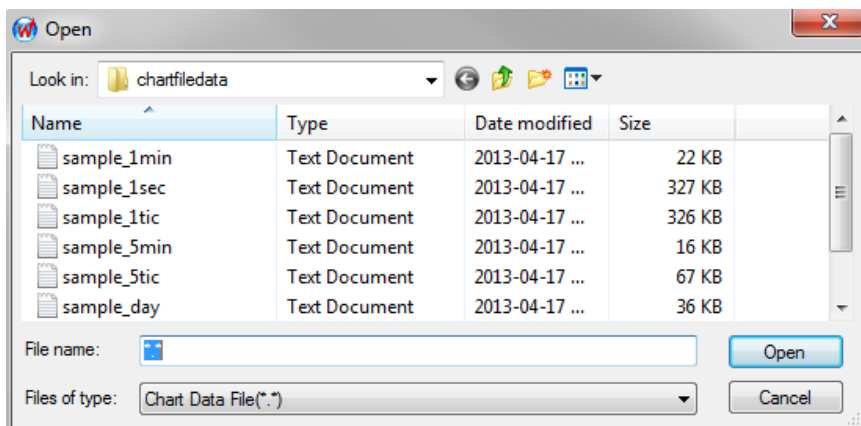
메인 메뉴의 View 에서 Shortcut Bar 선택하여 File Data Chart 의 Icon 선택. 또는 메인 메뉴의 빈 화면(File)에서 오른쪽 마우스 선택하여 New Window 다음의 메뉴 File Data Chart 를 선택

Two ways to start File Data Chart:

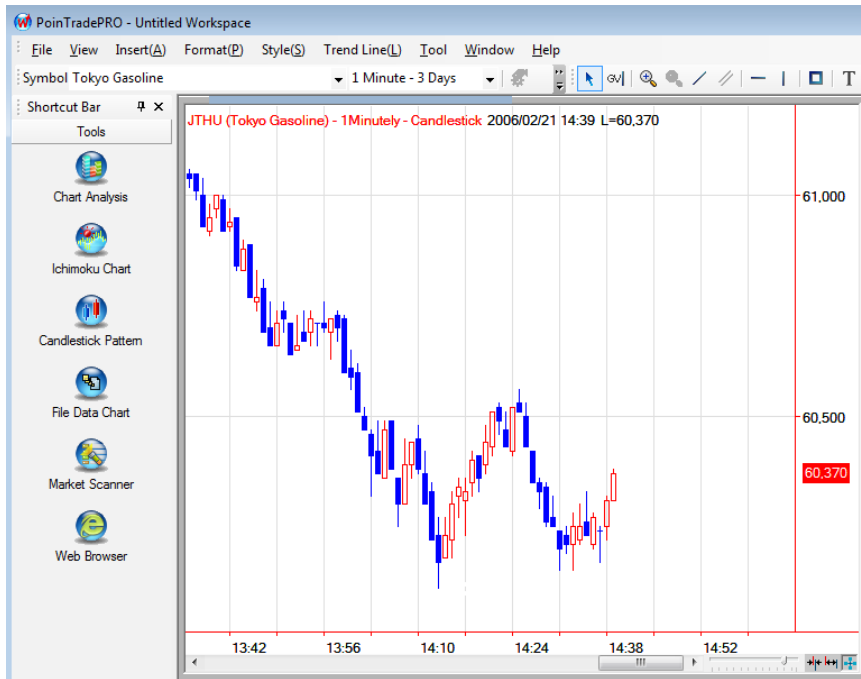
1. Click File, New Window, and File Data Chart
2. Choose from Shortcut Bar and File Data Chart



An Open window shows to choose from sample file.



2. Data Type : Chart data, (asking to developer what's data format possible to enable?)



사용자의 데이터로 Chart 를 나타내 준다 (the chart will be drawn based on user's data)

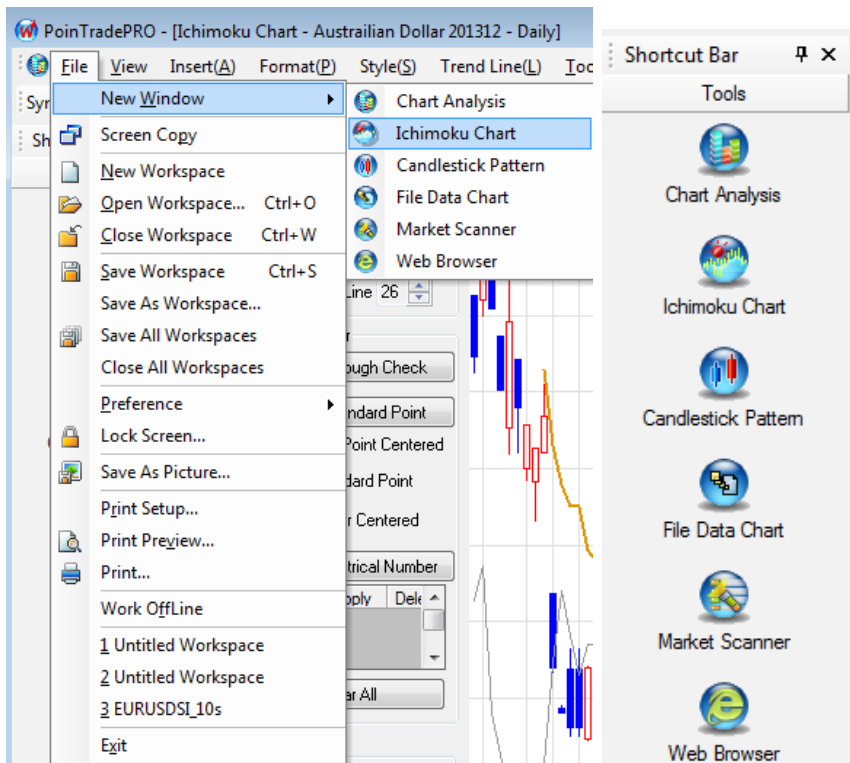
Tip : 거래소에서 제공하는 데이터가 아닌 Fundamental Data 와 함께 시장 분석을 하거나
 거래소에서 제공하는 데이터를 사용자가 가공한 데이터와 함께 시장 분석에 유용하게 사용할 수
 있다. (User can perform market analysis with Fundamental Data instead of data provided by exchange
 market. User can efficiently use processed data as well as data provided by exchange market) 가공한
 데이터가 processed data 인가요?

Ichimoku Chart

Start to set up Ichimoku Chart in Two ways

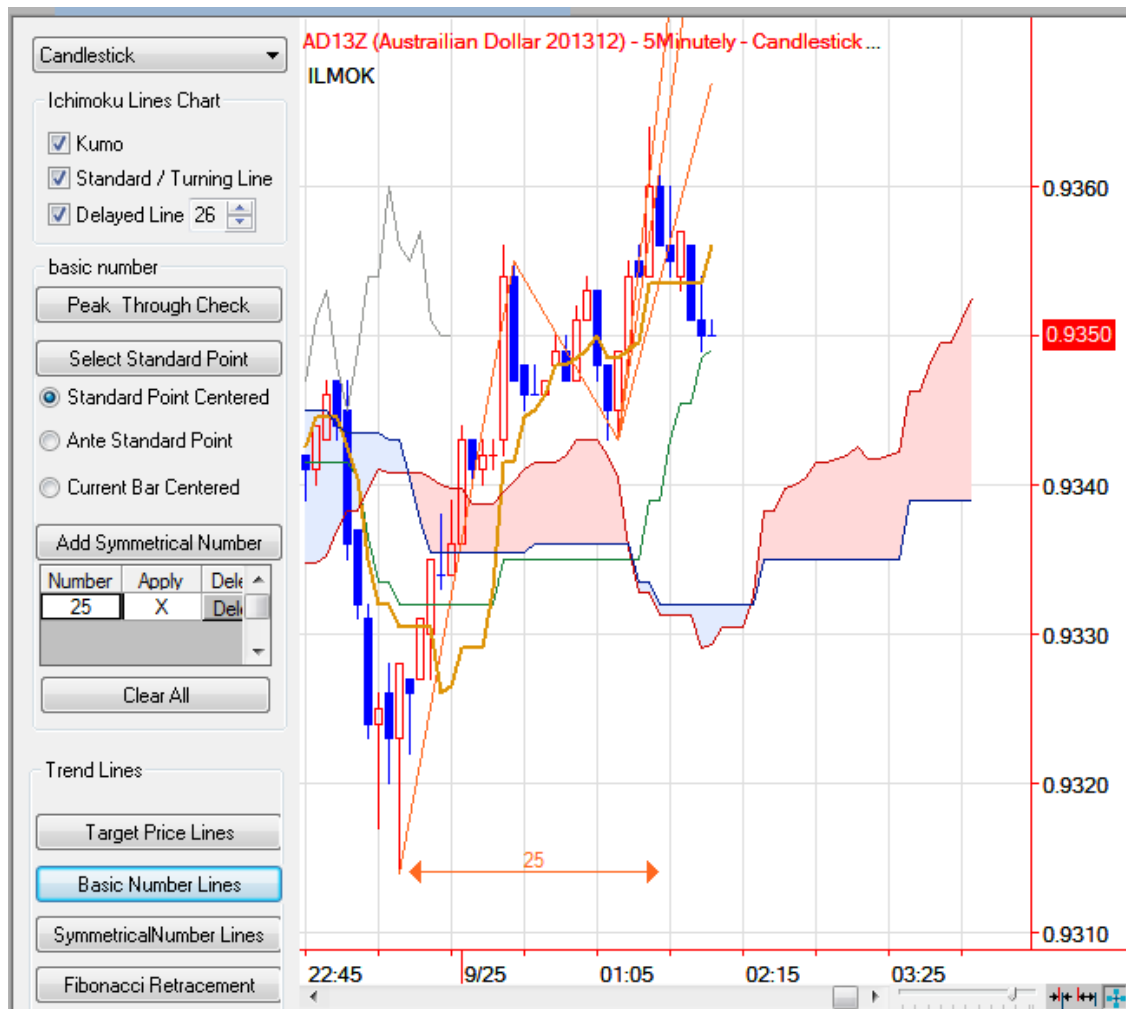
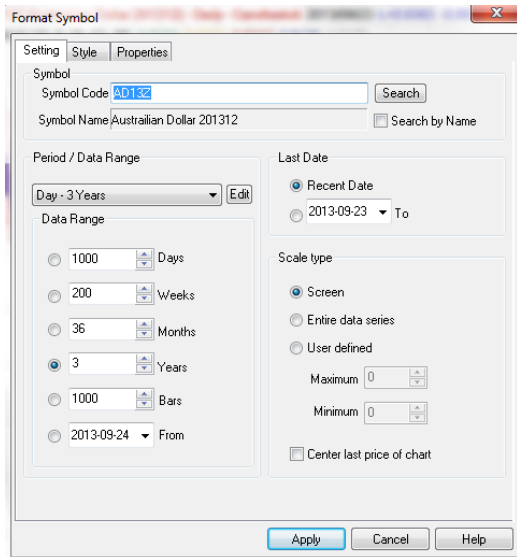
- Click File, New Window, and press Ichimoku Chart
- Click from Shortcut Bar and press Ichimoku Chart

메인 메뉴의 View 에서 Shortcut Bar 선택하여 Ichimoku Chart 의 Icon 선택. 또는 메인 메뉴의 빈 화면(File)에서 오른쪽 마우스 선택하여 New Window 다음의 메뉴 Ichimoku Chart 를 선택.



- Entering Symbol Code will auto-select Symbol Name below and press Search
- Leave Symbol Code blank and press Search to view from the lists of available codes
- Choose from the option buttons to set up graph and press Apply

종목(Symbol) 을 선택하고 Chart Style, Properties 는 Chart 의 종목 설정과 같음.



1. Chart Type Setting

You can create eight types of price charts.

- 1) Candlestick
- 2) Bars(Open, High, Low, Close)
- 3) Bars(High, Low, Close)
- 4) Line
- 5) OpenClose Candlestick
- 6) CandleVolume
- 7) EquiVolume
- 8) Cumulative Volume

* Tip: Please refer to Chart type

2. Ichimoku Line (Ichimoku Kinkoi Hyo) Chart Component Setting

- 1) Kumo: Displays the first preceding span, the second preceding span and cloud.
- 2) Standard / Turning Line: Displays the standard line, the turning line.
- 3) Delayed Line: Display the delayed line. 원하는 기간만큼 늦게 나오도록 함.

3. Basic number

1) Peak Trough Check: Display peak through on the chart. Point and click the peak through on the location where you would like to delete.

2) Select Standard Point: Select standard point.

- Standard Point Centered: Type in value for the number of bars from standard point(the location where you selected) to peak or through.

- Ante Standard Point: Displays the information from the standard point.
 - Current Bar Centered: Type in value for the number of bars from last bar to peak or through.
- 3) Add Symmetrical Number: Display the point of symmetry from standard point.
 - 4) Clear All: Clear all information displayed.

4. Trend Lines

- 1) Target Price Lines: Display Fibonacci target price.
- 2) Basic Number Lines: Display the time interval line which is some significance for Ichimoku kinko hyo time theory.
- 3) Symmetrical Number Lines: Display the symmetrical time interval line from the standard point (the location where you select).
- 4) Fibonacci Retracement: Display the ratio of Fibonacci retracement.

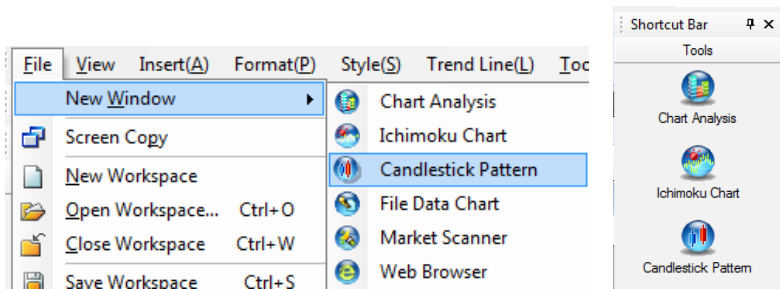
Candlestick Pattern

Start to set up Ichimoku Chart in two ways

From File menu go to New Window and click Candlestick Pattern

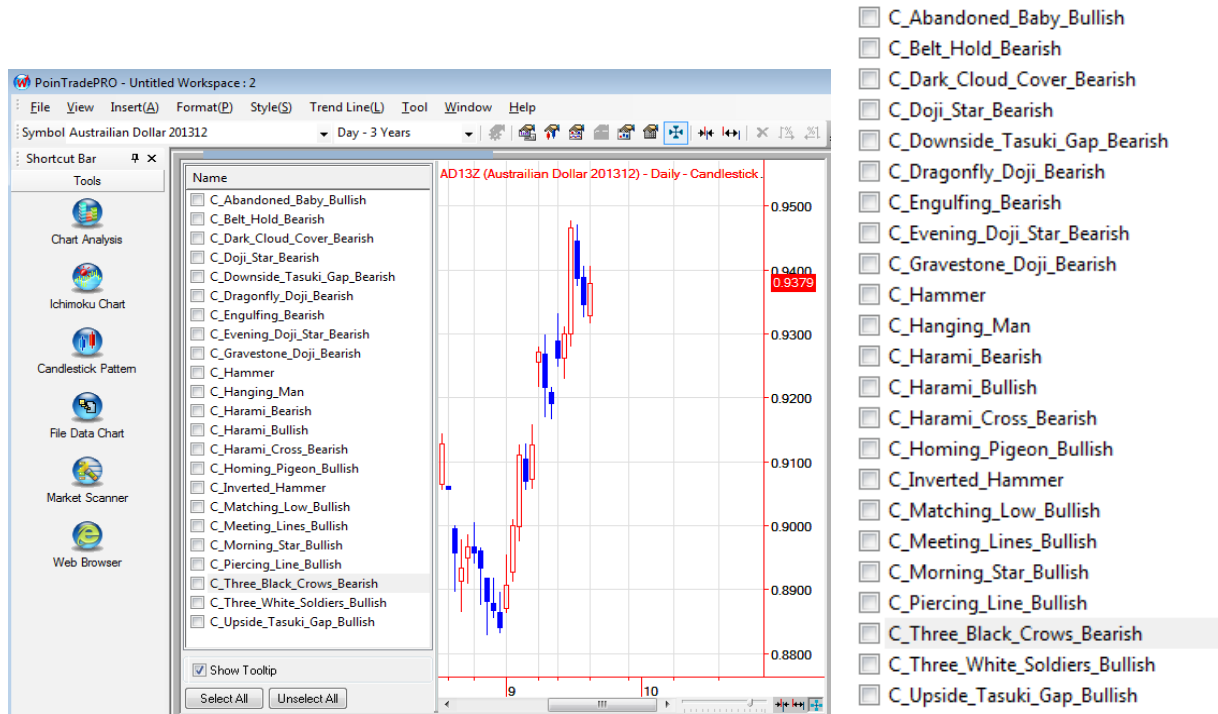
From Shortcut Bar go to Candlestick Pattern

메인 메뉴의 View 에서 Shortcut Bar 선택하여 Candlestick Pattern 의 Icon 선택. 또는 메인 메뉴의 빈 화면(File)에서 오른쪽 마우스 선택하여 New Window 다음의 메뉴 Candlestick Pattern 를 선택.



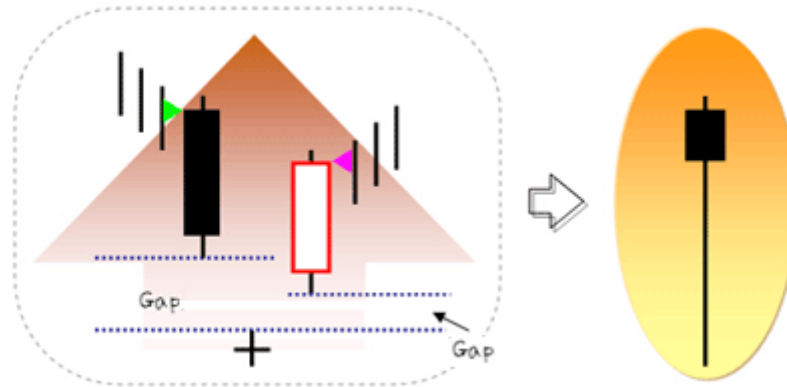
1. Candlestick pattern service names:

2. Show Tooltip: Show the name of the Candlestick pattern below the arrow marks on the chart.



3. 23 types of candlestick pattern :

Abandoned Baby Bottom



Pattern: Reversal | Trend: Bullish | Reliability: High

How to Identify it

- First day is usually a long black day
- Second day is a doji that gaps in the direction of the previous trend
- The third day is a white day, gapping in the opposite direction, with no overlapping shadows

What it Means

- In a downtrend, the market bolsters the bearish trend with a long black day and gaps open on the second day. However, the second day trades within a small range and closes at or near its open. This scenario definitely shows the potential for a rally, as many positions have been changed. Confirmation of the trend reversal is given by the white third day, and is well defined by the upward gap.

Belt Hold Bearish



Pattern: Reversal | Trend: Bearish | Reliability: Low

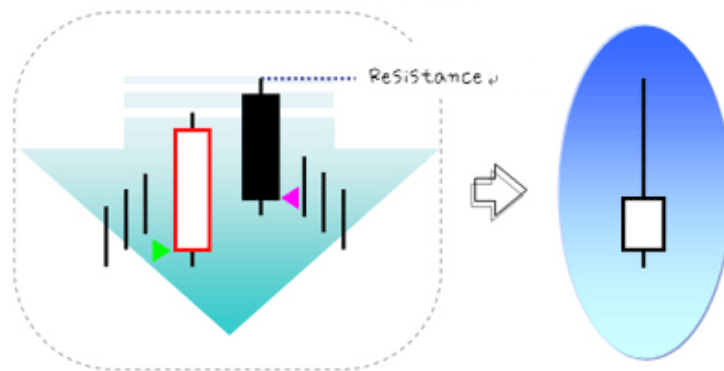
➤ How to Identify it

- A black body occurs in an uptrend with no upper shadow

➤ What it Means

- In an uptrend, a black body occurs with an open that is also the high for the day. This may cause many positions to be sold, perpetuating a bearish reversal.

Dark
Cloud
Cover
Bearish



Pattern: Reversal | Trend: Bearish | Reliability: High

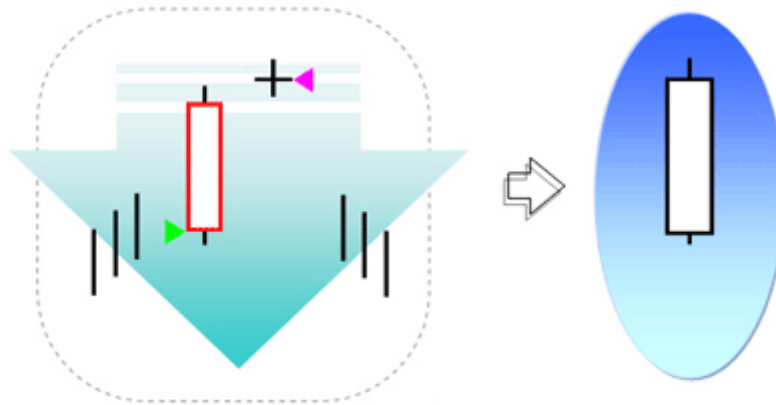
➤ How to Identify it

- First day is a long white day
- Second day is black with an open above the high of the previous day
- Second day closes within but below the midpoint of the first day's body

➤ What it Means

- In an uptrend the market gaps open, but loses ground to fall below the midpoint of the previous day. The Dark Cloud Cover pattern suggests an opportunity for the shorts to capitalize on the next day's open: a warning sign to bullish investors. The Dark Cloud Cover pattern is the opposite of the Piercing line pattern.

**Doji
Star
Bearish**



Pattern: Reversal | Trend: Bearish | Reliability: Moderate

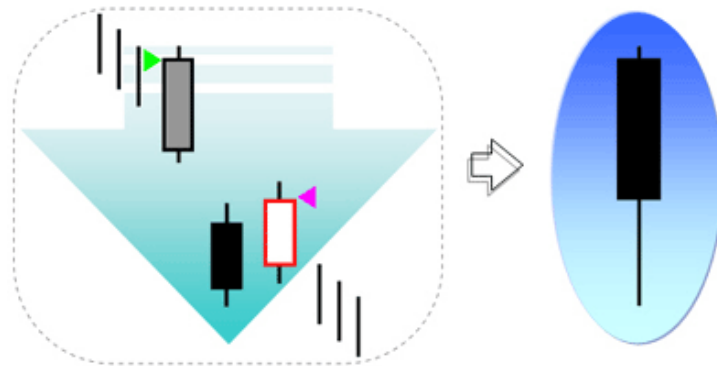
How to Identify it

- First day is a long white day
- Second day is a doji that gaps in the direction of the previous trend
- The shadows of the doji should not be long

What it Means

- In an uptrend, the market builds strength on a long white day and gaps open on the second day. However, the second day trades within a small range and closes at or near its open. This scenario generally shows erosion of confidence in the current trend. Confirmation of a trend reversal would be a lower open on the next trading day.

Downside Tasuki Gap Bearish



Pattern: Continuation | Trend: Bearish | Reliability: Moderate

How to Identify it

- The first two days are black days with an opening gap
- The second day is a white day that opens within the body of the second day and closes within the gap of the first two days

What it Means

- In a downtrend a black day occurs, followed by another black day that gaps down. A white day ensues, and is likely the result of investors temporarily taking advantage of the low buying price. The trend should continue to follow the direction of the downward gap.

Dragonfly Doji Bearish



Pattern: Reversal | Trend: Bearish | Reliability: Moderate

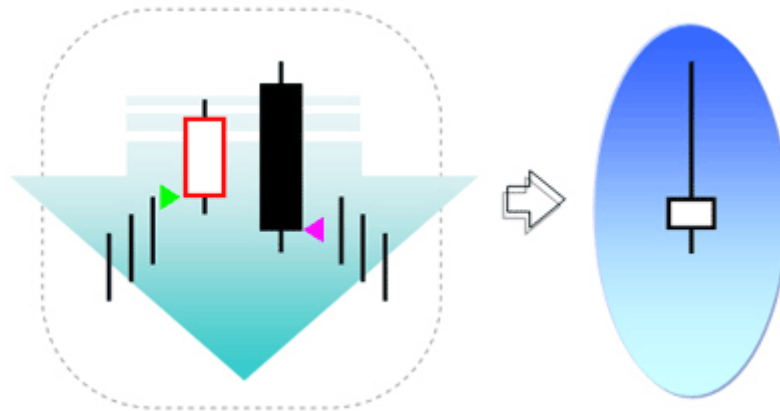
➤ How to Identify it

- Open and Close are at the high of the day
- Small real body at the upper end of the trading range
- Lower shadow at least twice as long as the real body
- No (or almost no) upper shadow

➤ What it Means

- There is a sharp sell off after the market opens during a downtrend. However, by the end of the trading day, the market closes at or near its high for the day. This signifies a weakening of the previous bearish sentiment, The Dragonfly Doji, or Tombo (pronounced tombo), this one normally appears at market turning points. A tonbo line with a very long lower shadow (tail)(shitahige) is also called a Takuri line. A Takuri line at the end of a uptrend is extremely bearish.

Engulfing Bearish



Pattern: Reversal | Trend: Bearish | Reliability: Moderate

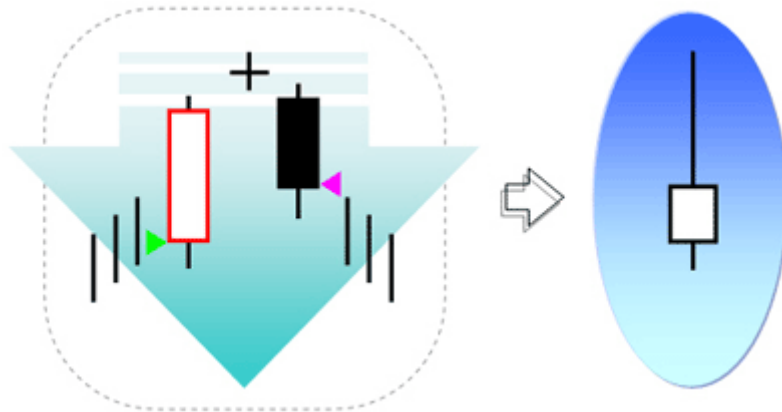
➤ How to Identify it

- A long white day occurs
- The second day is a black day that completely engulfs the real body of the first day

➤ What it Means

- Occurring in an uptrend, the Engulfing depicts an opening at a new high, followed by a high volume sell-off that closes at or below the previous day's open. This signifies that the uptrend has been hurt and the bears may be gaining strength. The Engulfing indicator is also the first two days of the Three Outside patterns.

Evening
Doji
Star
Bearish



Pattern: Reversal | Trend: Bearish | Reliability: High

➤ How to Identify it

- First day is a long white day
- Second day is a doji that gaps in the direction of the previous trend
- The third day is a black day

➤ What it Means

- In an uptrend, the market builds strength on a long white day and gaps open on the second day. However, the second day trades within a small range and closes at or near its open. This scenario generally shows an erosion of confidence in the current trend. Confirmation of the trend reversal is the black third day. The Evening Doji Star indicator is the fully realized bearish Doji Star pattern.

Gravestone Doji Bullish



Pattern: Reversal | Trend: Bullish | Reliability: Low/Moderate

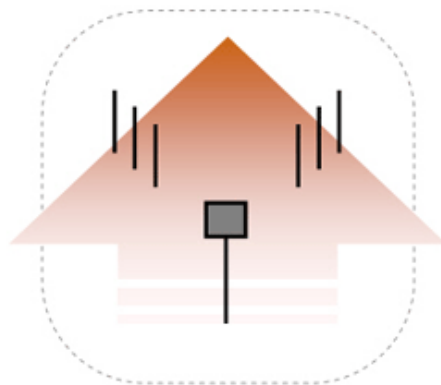
➤ How to Identify it

- When the Doji is at, or very near, the low of the day
- Small real body at the lower end of the trading range
- Upper shadow usually no more than twice as long as the real body
- No (or almost no) lower shadow

➤ What it Means

- The Gravestone Doji(hakaishi), like many of the Japanese terms, is based on various analogues. In this case, the Gravestone Doji represents the graves of those who have died in battle.
If the upper shadow is quite long, it means that the Gravestone Doji is much more bearish. Prices open and trade higher all day only to close where they opened, which is also the low price for the day. This cannot possibly be interpreted as anything but a failure to rally.

Hammer



Pattern: Reversal | Trend: Bullish | Reliability: Low/Moderate

➤ How to Identify it

- Small real body at the upper end of the trading range
- Lower shadow at least twice as long as the real body
- No (or almost no) upper shadow

➤ What it Means

- There is a sharp sell off after the market opens during a downtrend. However, by the end of the trading day, the market closes at or near its high for the day. This signifies a weakening of the previous bearish sentiment, especially if the real body is white (the close is higher than the open price). Since the certainty for a Hammer indicator is low, the trend reversal can be confirmed by a higher open and an even higher close on the next trading day. If the open and the close are identical, the indicator is considered a Dragonfly Doji. The Dragonfly Doji has a higher reliability associated with it than a Hammer.

Hanging Man



Pattern: **Reversal** | Trend: **Bearish** | Reliability: **Low/Moderate**

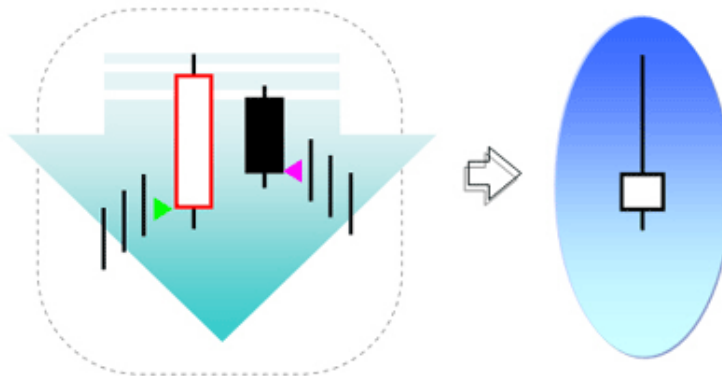
➤ How to Identify it

- Small real body at the upper end of the trading range
- Lower shadow at least twice as long as the real body
- No (or almost no) upper shadow

➤ What it Means

- There is a sharp sell off after the market opens during a downtrend. However, by the end of the trading day, the market closes at or near its high for the day. This signifies a weakening of the previous bullish sentiment, especially if the real body is black (the open is higher than the close price). If the open and the close are identical, the indicator is considered a Dragonfly Doji. The Dragonfly Doji has a higher reliability associated with it than a Hanging-Man.

Harami Bearish



Pattern: Revesal | Trend: Bearish | Reliability: Low

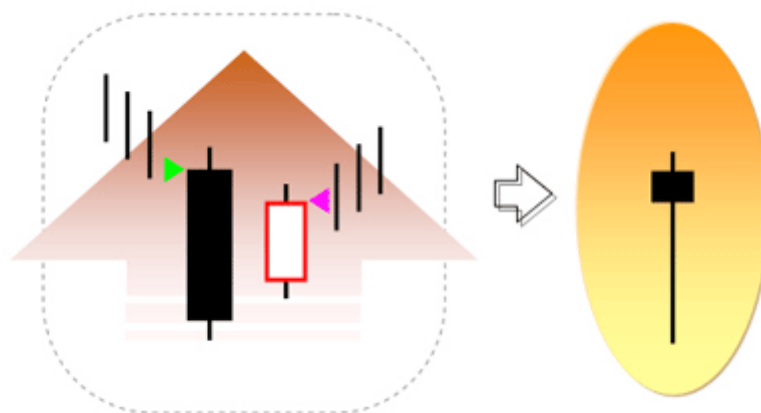
How to Identify it

- A long white day occurs
- The second day is a black day that is completely engulfed by the real body of the first day

What it Means

- After a long white day at the low end of a downtrend, a black candlestick opens lower than the previous day's close. Trading is typically light and the day ends with a close lower than the open and within body of the first day; a signal that the current uptrend is losing strength. The Harami indicator should be confirmed with the next trading day's candlestick following the reversal trend. The Harami pattern is also the first two days of the Three Inside patterns.

Harami Bullish



Pattern: Reversal | Trend: Bullish | Reliability: Low

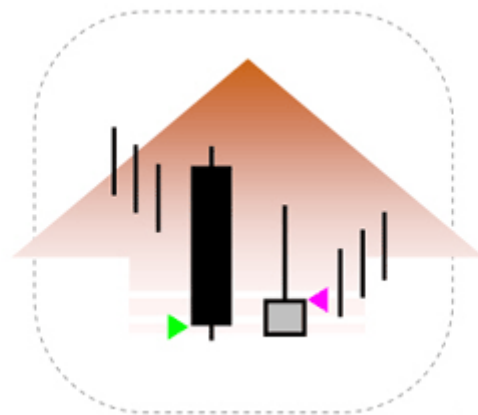
➤ How to Identify it

- A long black day occurs
- The second day is a white day that is completely engulfed by the real body of the first

➤ What it Means

- After a long black day at the low end of a downtrend, a white candlestick opens higher than the previous day's close. The price is driven up, as many shorts are covered, which encourages further buy-ins. The Harami indicator should be confirmed with the next trading day's candlestick following the reversal trend. The Harami pattern is also the first two days of the Three Inside patterns.

Inverted Hammer



Pattern: Reversal | Trend: Bullish | Reliability: Low/Moderate

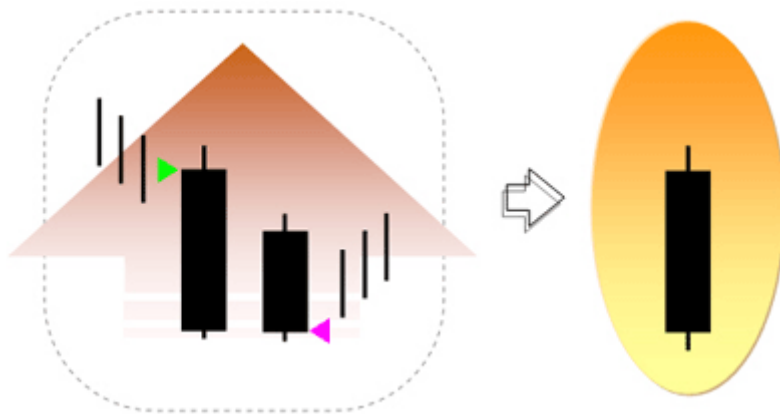
➤ How to Identify it

- Small real body at the lower end of the trading range
- Upper shadow usually no more than twice as long as the real body
- No (or almost no) lower shadow

➤ What it Means

- As the market opens below the close of the previous day, the bulls rally briefly, but not enough to close above the previous day's close. As this leaves shorts in a losing position, the Inverted Hammer presents the potential for an upcoming rally. Confirmation of the trend reversal would be an opening above the body of the Inverted Hammer on the next trading day. If the open and the close are identical, the indicator is considered a Gravestone Doji. The Gravestone Doji has a higher reliability associated with it than an Inverted Hammer.

Matching Low Bullish



Pattern: Reversal | Trend: Bullish | Reliability: Moderate

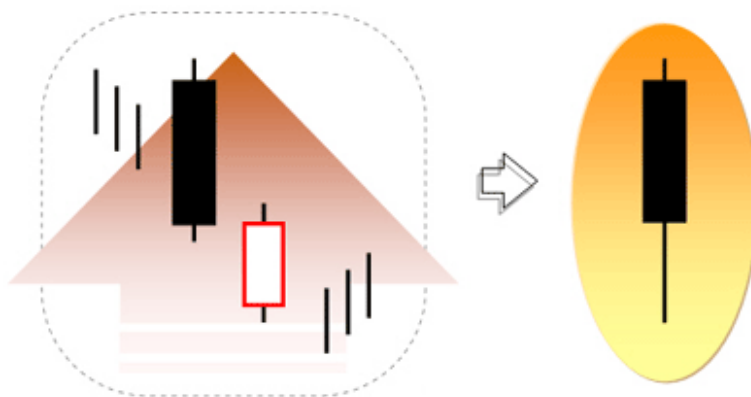
> How to Identify it

- The first day is a long black day
- The second day is a black day with a close equivalent to the first day's close

> What it Means

- In a downtrend two black days occur with equal closes. This suggests short-term support, and can cause a reversal on the next day of trading.

Meeting Lines Bullish



Pattern: Reversal | Trend: Bullish | Reliability: Moderate

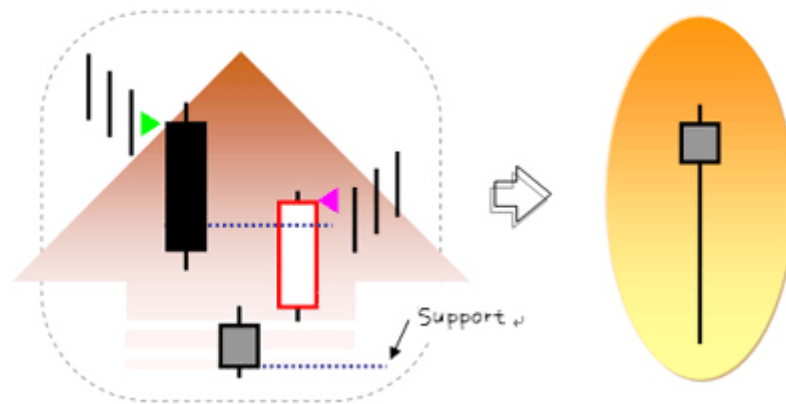
> How to Identify it

- The first day is a long black day, and has a body that is lower than the previous trend
- The second day is a long white day, and has a body that is also lower than the previous trend.
- Both days have identical closes

➤ What it Means

- In a downtrend two days open below the previous trend. Even though the second day open low, it rallies to close at the close of the previous day. This typically means a benchmark has been defined by traders, and a reversal is likely.

Morning Star Bullish



Pattern: Reversal | Trend: Bullish | Reliability: High

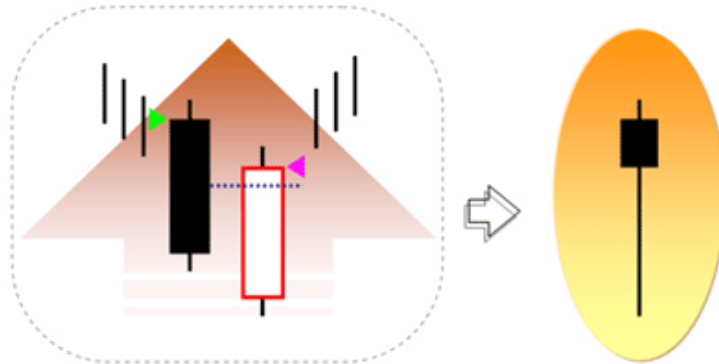
➤ How to Identify it

- First day is a long black day
- Second day is a small day that gaps in the direction of the previous trend
- The third day is a white day

➤ What it Means

- In a downtrend, the market bolsters the bearish trend with a long black day and gaps open on the second day. However, the second day trades within a small range and closes at or near its open. This scenario generally shows the potential for a rally, as many positions have been changed. Confirmation of the trend reversal is given by the white third day.

Piercing Line Bullish



Pattern: Reversal | Trend: Bullish | Reliability: Moderate

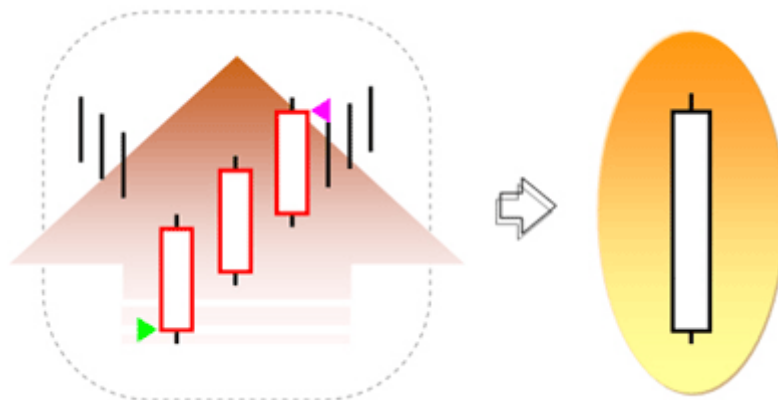
How to Identify it

- First day is a long black day
- Second day is a white day with an open below previous days low
- Second days close is within but above the midpoint of the first days body

What it Means

- In a downtrend the market gaps open, but rallies strong to close above the previous days midpoint. This pattern suggests an opportunity for the bulls to enter the market and support the trend reversal. The Piercing Line pattern is the opposite of the Dark Cloud Cover.

Three White Solders Bullish



Pattern: Reversal | Trend: Bullish | Reliability: High

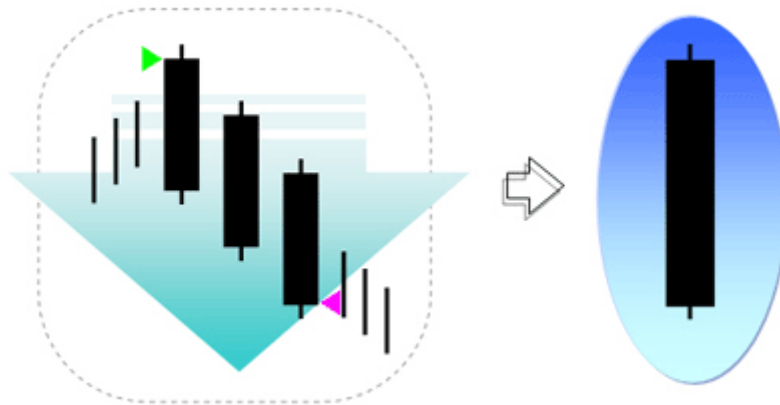
➤ How to Identify it

- Three long white days occur, each with a higher close than the previous day
- Each day opens within the body of the previous day and closes near the high of the day

➤ What it Means

- In a downtrend three long white days occur with consecutively higher closes. Generally this suggests future market fortitude, as a reversal is in progress that is building on moderate upward steps.

Three
Black
Crows
Bearish



Pattern: Reversal | Trend: Bearish | Reliability: High

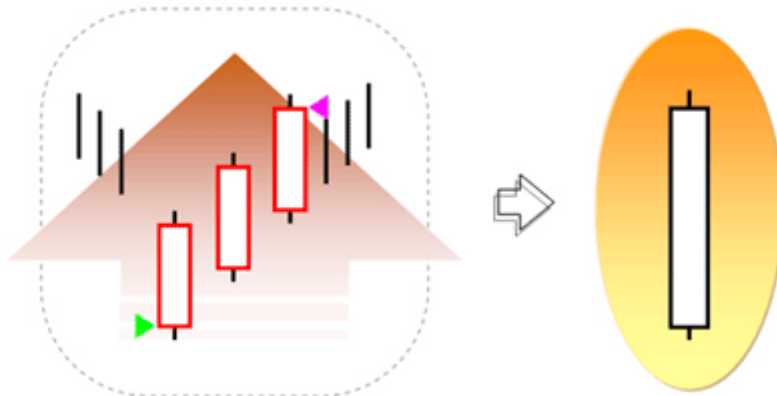
➤ How to Identify it

- Three black days occur, each with a close below the previous day
- Each day opens within the body of the previous day
- Each day closes near or at its lows

➤ What it Means

- In an uptrend three long black days occur with consecutively lower closes. This pattern suggests that the market has been at a high price for too long, and investors are beginning to compensate for it.

Three White Solders Bullish



Pattern: Reversal | Trend: Bullish | Reliability: High

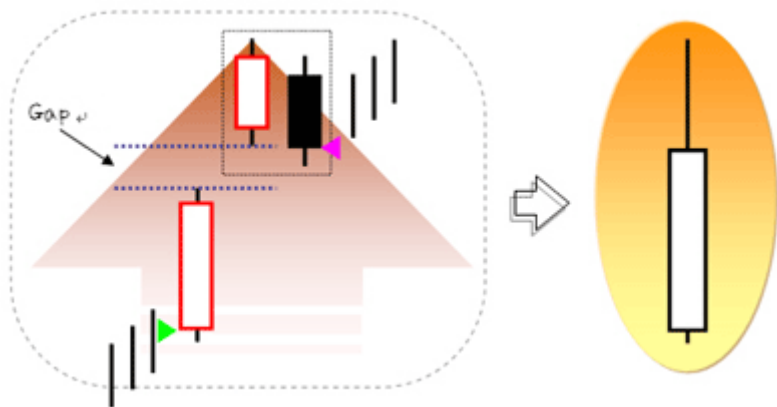
> How to Identify it

- Three long white days occur, each with a higher close than the previous day
- Each day opens within the body of the previous day and closes near the high of the day

> What it Means

- In a downtrend three long white days occur with consecutively higher closes. Generally this suggests future market fortitude, as a reversal is in progress that is building on moderate upward steps.

Upside Tasuki Gap Bullish



Pattern: Continuation | Trend: Bullish | Reliability: Moderate

➤ **How to Identify it**

- The first two days are white days with an opening gap
- The second day is a black day that opens within the body of the second day and closes within the gap of the first two days

➤ **What it Means**

- In an uptrend a white day occurs, followed by another white day that gaps up. A black day ensues, and is likely the result of temporary profit taking. The trend should continue to follow the direction of the upward gap.