US Stock Express

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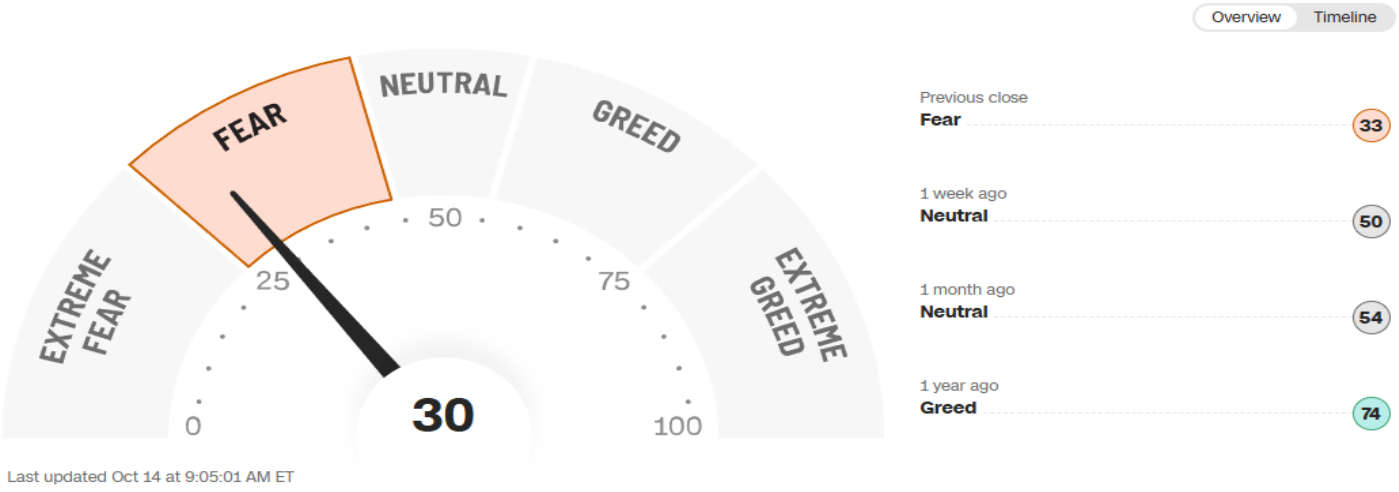
Fear & Greed Index

What emotion is driving the market now?
Learn more about the index



North East West South is *NEWS*

Starship flight test 11 successfully launched out at 23:23 UTC (6:23 pm CDT) October 13, 2025, it was the eleventh flight test of a SpaceX Starship launch vehicle, utilizing Booster 15 and Ship 38.

Nvidia announced the official shipment of its DGX Spark, the world's smallest artificial intelligence supercomputer. CEO Jensen Huang even served as a courier, personally delivering the first batch of DGX Sparks to Tesla CEO Elon Musk, echoing the historic moment in 2016 when he personally delivered the first DGX-1 to the OpenAI team. DGX Spark is available for order on the 15th from Nvidia's official website.

On October 14th, China and the United States began imposing port fees on each other's ocean shipping companies. The high seas have become the latest critical front in the trade war between the world's two largest economies. On the same day, China's Ministry of Commerce announced countermeasures against five US-related subsidiaries of Hanwha Marine Corporation.

Ukrainian President Volodymyr Zelenskyy announced that he will travel to Washington, D.C. this week to meet with US President Trump to discuss Ukraine's air defenses and how to increase pressure on Russia.

The "Future Human Shower" at the Osaka World Expo, featuring fine bubbles and automatic cleaning technology, also plays music and images tailored to your heartbeat and autonomic nervous system, providing a therapeutic experience. It unexpectedly became a hot topic, attracting numerous inquiries and requests for its introduction from around the world.

Comparison of Leading Humanoid Robots

Robot	Company	Strengths	Weaknesses / Challenges	Market Focus
Tesla Optimus	Tesla	Tight integration with Tesla's AI & manufacturing; cost efficiency from EV supply chain	Production delays (hand design, overheating joints); ambitious timelines often slip [4] [5] [6]	Factory automation, eventually consumer
Figure 03	Figure AI	Backed by Microsoft, NVIDIA, OpenAI, Bezos, Intel; advanced AI integration; designed for scalability	Still early-stage; needs to prove reliability at scale	General-purpose labor, homes, logistics
Unitree R1/G1	Unitree Robotics (China)	**Low cost** (R1 at $5,900); agile, lightweight; strong in research/ education; TIME Best Invention 2025 [7] [8]	Limited payload; not yet industrial-grade	Education, research, consumer entry
Atlas	Boston Dynamics	Most advanced mobility & agility (running, flips, parkour)	Extremely expensive; not designed for mass production	R&D, defense, showcase
Digit	Agility Robotics	First humanoid deployed in warehouses (Amazon pilot); strong logistics focus	Less dexterous than Atlas/Figure	Warehousing, logistics
Apptronik Apollo	Apptronik	Modular, human-safe design; strong partnerships	Smaller scale than Tesla/Figure	Industrial, logistics

💰 Investment Ecosystem Around Figure AI

You're right—Figure AI has attracted a **who's who of tech and finance**:

- **Microsoft** → Cloud computing backbone (Azure)
- **NVIDIA** → GPU chips for training & inference
- **OpenAI** → Large language models for reasoning
- **Jeff Bezos** → Strategic capital + logistics expertise
- **Intel** → Chips + manufacturing support
- **LG Ventures** → Materials & mechanical systems
- **Qualcomm Ventures** → Communication chips
- **Salesforce Ventures** → Enterprise integration
- **Brookfield Asset Management** → Long-term capital for scaling factories

Relative Importance (rough weightings for investors)

- **NVIDIA (30%)** → GPUs are the bottleneck for AI robotics.
- **Microsoft (20%)** → Cloud + enterprise integration.
- **OpenAI (15%)** → Intelligence layer.
- **Intel / Qualcomm / LG (15%)** → Hardware backbone.
- **Bezos / Brookfield / Salesforce (20%)** → Capital + ecosystem scaling.

(These are not exact percentages but a strategic weighting of influence in the ecosystem.)

GPT-5 is here - OpenAI

🏆 Future Development: Figure 03 vs Unitree

- **Unitree**: democratizing humanoids with **low-cost, agile robots** → strong in education, research, and consumer entry.
- **Figure 03**: aiming for **general-purpose labor replacement** → higher risk, but if successful, much larger market.
- **TIME's recognition** of both highlights the **dual paths**: affordability (Unitree) vs scalability (Figure).

Tesla vs NVIDIA: The "Ultimate Battle"?

- **Tesla**: Competes on **vertical integration** (design, manufacturing, AI, batteries).
- **NVIDIA**: Competes on **horizontal dominance**—its GPUs power *every* humanoid robot project, including Tesla's.
- **Reality**: It's not Tesla *vs* NVIDIA—it's Tesla *and* NVIDIA. Tesla needs NVIDIA's chips, while NVIDIA profits from *all* players.
- **Long-term**: NVIDIA is the "arms dealer" of the humanoid race; Tesla is one of the "armies."

Tesla Optimus Production Cut (2025)

- Tesla reduced target from **5,000 to ~2,000 units** due to **hand design flaws and overheating joints** [4] [5] [6].
- **Impact on Musk's Pay & Performance Plan**:
  - Musk's compensation is tied to **market cap and operational milestones**, not just Optimus.
  - Short-term: delays may dent investor confidence.
  - Long-term: if Optimus succeeds, even at lower volumes, it could still justify Tesla's valuation narrative.

Investor Takeaway

- **NVIDIA** → safest bet (picks-and-shovels play).
- **Microsoft** → strong cloud + enterprise AI positioning.
- **Tesla** → high risk/high reward (execution risk).
- **Figure AI (private)** → if IPOs, could be a moonshot.
- **Unitree (China)** → consumer robotics disruptor.

👉 If you're investing, think of it like this:

- **NVIDIA** = "the gold rush shovel seller."
- **Tesla & Figure AI** = "the prospectors."
- **Unitree** = "the budget disruptor."

Would you like me to sketch a **scenario forecast (2025–2030)** showing which companies are most likely to dominate in **factories, homes, and consumer markets**? That could help you see where the real growth curves lie.

Figure 03 vs Figure 02

- **Actuator speed**: Figure 03 has **2× faster actuators** than Figure 02, meaning smoother, more human-like motion.
- **Vision system**: 60% wider field of view, **2× frame rate**, and **25% lower latency**—better spatial awareness and faster learning.
- **Design**: Figure 03 is optimized for **mass production and home/workplace integration**, while Figure 02 was more of a prototype platform. [1] [2] [3]
- **Use case**: Figure 02 was largely a proof-of-concept; Figure 03 is positioned as a **scalable, general-purpose assistant**.

Differences Between Figure 03 and Figure 02

Figure AI launched the Figure 03 on October 9, 2025, marking it as their third-generation humanoid robot, with a focus on household and everyday tasks. Compared to its predecessor, Figure 02 (released earlier in 2025), Figure 03 introduces several key improvements aimed at enhancing manufacturability, efficiency, and real-world usability: figure.ai

- **Design and Build**: Figure 03 shifts from primarily CNC machining (used in Figure 02) to tooled processes like die-casting and injection molding, reducing part costs by up to 90% and making production more scalable. It also has 9% less mass and significantly reduced volume, improving maneuverability in tight spaces like homes. The robot was reportedly assembled and ready just a week before its demo, highlighting rapid iteration. robotics247.com +2 more
- **Capabilities and AI**: Figure 03 builds on Figure 02's foundation with enhanced learning abilities, allowing it to observe human actions and learn new tasks autonomously. It features advanced tactile sensors for precise object manipulation and safe navigation around people. Demonstrations show it performing household chores like folding clothes, doing dishes, loading/unloading dishwashers, and even delivering packages—tasks that appear smoother and more human-like than in Figure 02. It also has improved spatial awareness via better data ingestion. designboom.com +2 more
- **Overall Focus**: While Figure 02 was more industrial-oriented (e.g., sorting mail at facilities), Figure 03 emphasizes domestic applications, positioning it as a "housekeeper-like" robot. Early feedback suggests it's one of the most impressive humanoids yet, though some question if demos rely on tricks. reddit.com +2 more

In essence, Figure 03 is lighter, cheaper to produce, and more capable in everyday scenarios, representing a step toward mass-market humanoid robots.

Comparison of Humanoid Robots

Humanoid robotics in 2025 is a rapidly evolving field, with companies focusing on general-purpose, industrial, or agile designs. I've compared the key models you mentioned: Tesla's Optimus (Gen 2), Figure AI's Figure 03, Unitree's G1 (their flagship agile model; note their R1 is a newer, ultra-affordable variant), Boston Dynamics' Atlas (now fully electric), and Agility Robotics' Digit. I've also added two others worth mentioning: Apptronik's Apollo (strong in industrial partnerships, e.g., with Mercedes-Benz) and Sanctuary AI's Phoenix (advanced dexterity for complex tasks like retail sorting). These are based on the latest available specs as of mid-2025; note that many are prototypes or in early

Robot (Company)	Height / Weight	Degrees of Freedom (DOF)	Payload / Speed	Battery Life / Power	Key Features & Use Cases	Stage / Price Estimate
Optimus Gen 2 (Tesla)	5'8" / 125 lbs	22 (hands: 11 per hand)	45 lbs / 5 mph walking	2-4 hours / Electric actuators	AI-driven autonomy; folds shirts, sorts objects; aimed at factories then homes. Integrated with Tesla's FSD tech.	Early production (2,000 units in 2025); ~$20,000 30,000 target.
Figure 03 (Figure AI)	5'6" / ~110 lbs (lighter than 02)	42 total (hands: advanced tactile)	55 lbs / 2.7 mph	4+ hours / Electric	Observational learning, household chores (dishes, folding); OpenAI integration for LLM.	Launched Oct 2025; commercia pilots; $30,000-50,000 est.
G1 (Unitree)	4'3" (folded: compact) / 77 lbs	23-43 (modular)	17 lbs / 4.5 mph, agile flips	2 hours / Electric	High agility, backflips; education/research; affordable entry. R1 variant ultra-cheap for consumers.	Mass-produced; $16,000 base.
Atlas (Boston Dynamics)	4'11" / 196 lbs	30+ (full body dynamics)	55 lbs / 5.6 mph, dynamic jumps	1-2 hours / Electric (new 2025 model)	Extreme mobility (parkour, heavy lifting); warehouse/manufacturing. Hyundai-backed for autos.	R&D/commercial trials; $100,000+ est.
Digit (Agility Robotics)	5'9" / 143 lbs	20+ (arms focused)	77 lbs / 3.3 mph	4-6 hours / Electric	Logistics (tote handling, truck unloading); Amazon partnership. Bird-like legs for stability.	Deployed in warehouses; $200,000+ per unit.
Apollo (Apptronik)	5'8" / 160 lbs	30+ (dexterous hands)	55 lbs / 5 mph	4 hours (swappable) / Electric	Industrial tasks (assembly, sorting); NASA/Mercedes collabs. Safe human collaboration.	Pilots with auto firms; $50,000-80,000 est.
Phoenix (Sanctuary AI)	5'7" / 155 lbs	40+ (human-like hands)	55 lbs / 3 mph	4 hours / Electric-hydraulic mix	Fine manipulation (retail, folding); cognitive AI for reasoning. Microsoft Azure integration.	Commercial pilots; $100,000+ est.

Key trends: Electric actuation dominates for efficiency (vs. hydraulic in older models like Atlas' predecessor). AI integration (e.g., via LLMs) is crucial for autonomy. Tesla and Figure lead in general-purpose ambitions, while Boston Dynamics excels in raw athleticism and Agility in logistics-specific designs.

Investment Focus for Figure AI-Related Stocks

Figure AI has raised significant funding, with its latest Series C in September 2025 valuing it at $39 billion, led by Parkway Venture Capital and including Nvidia, Brookfield, Intel, Salesforce, and others. Earlier rounds (e.g., Series B in 2024) involved Microsoft, OpenAI, Nvidia, Jeff Bezos (personal), Amazon, and Intel. Not all mentioned in your query are confirmed recent investors—LG Technology Ventures and Qualcomm Ventures were early but not highlighted in 2025 rounds; OpenAI is strategic but private. reuters.com +6 more

As a stock investor, concentrate on public companies with direct ties to Figure's tech stack (cloud, AI chips, production). These provide indirect exposure to humanoid growth without investing in private Figure AI. Avoid over-concentration; humanoid robots are high-risk, high-reward.

Here's my reasoned assessment of importance percentages for investing (totaling 100%), based on their contributions' criticality: AI/hardware (e.g., GPUs) is foundational (~50% weight), cloud/infra next (~30%), then production/enablers (~20%). Substantiated by Figure's needs for AI training (Nvidia/OpenAI), cloud scaling (Microsoft), and manufacturing (Intel/Brookfield).

Company (Stock Ticker)	Role in Figure AI	Why Important for Investment	Estimated Importance %
Nvidia (NVDA)	GPU chips for AI training/models	Core to humanoid AI; Figure uses Nvidia tech heavily. Nvidia benefits from broad robotics demand.	30% (Highest; powers multiple players like Tesla too).
Microsoft (MSFT)	Cloud computing (Azure)	Hosts AI models; strategic partner with OpenAI. Enables scaling.	25% (Cloud/AI synergy; diversified revenue).
Intel (INTC)	Chips and production venues	Provides processors; aids manufacturing. Recent investor.	15% (Hardware enabler; undervalued in AI space).
Salesforce (CRM)	Cloud organization/customer service	Ventures arm invested; supports enterprise deployment.	10% (Niche in business integration; less direct).
Brookfield Asset Management (BN)	Long-term AI/automation funding	Major investor; infrastructure focus for production.	10% (Stable, dividend-play broad automation exposure).
OpenAI (Private)	Large language models	AI brain for robots; but not publicly tradable.	5% (Indirect via MSFT stake).
Jeff Bezos (Personal)	AI/physical automation	Personal investment; exposure via Amazon (AMZN), but diluted.	5% (Indirect; AMZN has robotics but not core to Figure).

Prioritize Nvidia and Microsoft for growth potential—Nvidia's chips are ubiquitous in robotics, and Microsoft's Azure/OpenAI tie-in positions it for AI dominance. Total market for humanoids could reach $150B by 2035, but volatility is high. Diversify and monitor earnings for robotics mentions.

Future Development: Which Will Lead the Market?

Yes, TIME Magazine's Best Inventions of 2025 list includes Figure 03 (as a "household robot") and Unitree's R1 (an "ultra-agile humanoid"), highlighting their innovation in accessibility and domestic utility. In future development, Figure 03 has a stronger edge to lead the market over Unitree. Figure's backing by tech giants (e.g., OpenAI for advanced AI, Nvidia for compute) enables faster scaling and sophisticated autonomy, targeting high-value applications like home assistance and manufacturing. Unitree excels in affordability and agility (e.g., G1/R1 for education or entry-level tasks), but it's more niche—Chinese-based with lower-cost hardware, potentially facing export/geopolitical hurdles. By 2030, Figure could dominate premium segments if it achieves mass production, while Unitree leads in budget/consumer markets. Overall, the field is fragmented; leadership depends on AI breakthroughs and regulations. time.com +3 more

The Ultimate Battle: Tesla vs. Nvidia?

I disagree that the ultimate battle in humanoid robots is solely between Tesla and Nvidia—it's an oversimplification. Tesla (via Optimus) is a full-stack robot manufacturer, integrating hardware, software, and production at scale, with ambitions for millions of units in factories and homes. Nvidia, however, is a chip enabler, supplying GPUs to nearly every player (including Tesla, Figure, and others) for AI training and inference. The real "battle" is ecosystem-wide: Tesla competes with Figure/Boston Dynamics on end-products, while Nvidia wins regardless as the AI infrastructure backbone. If anything, it's Tesla vs. the field, with Nvidia as the arms dealer profiting from all sides. Tesla's vertical integration gives it an edge in cost, but Nvidia's moat in chips makes it less risky for investors.

humanoidroboticstechnology.com +3 more

Impact on Elon Musk's Pay and Performance Scheme

Tesla recently cut its 2025 Optimus production target from at least 5,000 to 2,000 units due to persistent design issues with the robot's hands and arms, leading to redesigns and resource reallocation. This delay stems from dexterity flaws discovered in testing, halting mass production plans.

trendforce.com +5 more

Musk's new "2025 CEO Performance Award" (proposed in September 2025) is a massive plan potentially worth up to $1 trillion over 10 years, tied to 12 market cap milestones ($2T to $8.5T) and 12 operational goals, including producing 20 million vehicles/robots combined by 2035, $400B annual operating profit, and product innovations. Each goal unlocks 1% of Tesla stock. reuters.com +5 more

The 2025 production cut likely won't directly derail the scheme, as it's long-term focused (through 2035) and aggregates vehicles + robots—Optimus is part of broader autonomy goals, but short-term misses can be offset by Cybertruck/Robotaxi ramps. However, persistent delays could pressure market cap targets if investors doubt robotics viability, indirectly affecting payouts. Musk's history of overpromising (e.g., FSD timelines) adds scrutiny, but the plan rewards "Mars-shot" ambition even if some milestones slip. If fixed quickly, minimal impact; prolonged issues could tie into shareholder votes on the package. reuters.com

World Observation

Day 1330
Russia/Ukraine Conflict

Riding the AI Waves

(34) Humanoid Robot

The development of AI is entering into the second stage. The first stage is to chat with AI in the computer, they can answer your questions and help you to choose the right stock for investment, they can make video for you such as Iran released a video of shooting down a F-35 fighter, but was detected done by AI. People can also ask them to help to finish the master or doctoral dissertation. How about the second stage? They step out of the computer and entering into the real world, that is humanoid robots can be your house helper and warehouse worker, Full Self Driving can drive and you can sleep on the car for long distance driving.

We are entering into a new stage and they are bringing about a new battle in the field of humanoid robots.

Figure AI is the company that launches out the Figure 03 humanoid robot which is chosen as the Best Innovation of 2025 by Time Magazine. Unitree of China also listed so. It's a world of globalization; therefore, a lot of companies are invested in the Figure AI such as NVDA, TSLA, INTC, CRM, QCOM……, please refer the percentage to the AI for stock investment. It is quite a complicated investment group as once I talked about the Infinite Money Glitch Triangle in The Express of Sep 24 among the NVDA, ORCL and OpenAI. I have said investors should use 2 AI platforms for daily consultation and the 3rd for standby, so when should we use the third one, it is now on the Humanoid Robot Complex of investment.

Please compare the tables and data listed and will see that this is not just buying a hamburger to eat or coke to drink. They are inter-related, hamburger needs a Coke, and Coke also needs a hamburger. There inter-relation is not only limited to humanoid robots, but also linking up with the development of AI trends and chips. Chips are also linked up with Stargate Project. Stargate Project and chips are also linking up with Artemis Project of Landing on Mars. They are hard to cut off one by one, hard to invest this without the others.

Today, everything is concerning chips, and every chip is concerning AI, and then a few years later, everything is concerning Landing on Mars. Take the example of Boeing (BA), during the pandemic, it is considered as travelling stock, concerning recovery of economies. When the Ukrainian War broke out, it is concerning military stock, for they not only supply fighters, but also missiles. Now it is concerning Sino-US tariff war stocks, for Trump planned to stop supply of parts of Boeing to China and thus made them dared not to have counter tariff of 100% as that in April. So recently, even a lot of stocks dropped, but BA rose, why? SpaceX has just successfully launched out their 11th test, Landing on Mars Project gets nearer and nearer.

Before the Super Full Moon of November 5, stock market will be in turmoil as it brings about emotional attitude first but ultimately good news. *God hath not promised skies always blue, flowers strewn pathways all our life through*. Ups and downs of the market is a MUST and is also quite NORMAL, no need to worry too much. Some people like to make intraday trading of earning 20% at once and then cut loss or bounded for years, some like to learn from Warren Buffet of earning 3000% to 4000% on the average. But if you think you are a small potato of the market, should learn from Warren Buffet, for small investors even if their capital is gained 100% or 200%, no use at all, cannot fulfill their target for the initial investment is too little, only get a profit of 3000% or 4000% can do something special. Therefore, should invest in Humanoid Robot before it is too late!