

READ MODERN TANKS AND ARTILLERY 1945 PRESENT THE WORLDS GREAT WEAPONS

Modern Tanks and Artillery 1945-Present

Illustrated with hundreds of detailed artworks of AFVs and their markings, Modern Tanks and Artillery is a comprehensive study of the armored fighting vehicles and guns of every nationality from the beginning of the Cold War to the present. The book is split into two volumes, the first detailing tanks and AFVs, and the second covering artillery guns, rockets and self-propelled guns. Each volume is further subdivided by theater and conflict. The first volume provides a comprehensive study of the AFVs in service from the end of World War II until the recent conflicts in Iraq and Afghanistan. Well-known tanks deployed in various wars are included, such as the Soviet IS-3, T-54 and T-72 tanks, as well as the German Leopard, British Chieftain, and American M1A1 Abrams. The second volume provides a detailed analysis of artillery since the end of World War II, including ubiquitous workhorses such as the 2S3 (M1973) 152mm Howitzer, the FH-70 howitzer and the G5 howitzer. Rockets of various types, such as the Rapier surface-to-air missile, Pershing II ballistic missile and BM-30 Smerch multiple heavy rocket launcher are also included. Packed with more than 400 color artworks and photographs with exhaustive specifications, Modern Tanks and Artillery is a key reference for modelers and enthusiasts of modern guns and armored fighting vehicles. REVIEWS \"Where the book does excel is the amount of textual information making it a useful reference work.\" Scale Military Modeler International

Modern Tanks and Artillery, 1945-Present

- One of the few books that explores the design and deployment of German artillery self-propelled guns (SPGs) to support tanks and infantry during the Second World War
- A great reference book for military modellers, historians and tank wargamers interested in German SPGs
- A comprehensive guide to German SPGs between 1939 and 1945 in one volume for the very first time, including previously unpublished information on the little-known Hummel-Wespe proving that at least twelve units were built
- Authentic camouflage suggestions for military modellers

A single towed artillery gun required a team of six horses and nine men. During the Second World War, German engineers mounted an artillery gun on top of a tank chassis; this new technology reduced the amount of valuable war resources as self-propelled guns only required a four- or five-man crew. They could also be made ready to fire more rapidly. German Self-Propelled Artillery Guns of the Second World War covers the development and use of this new weapon between 1939 and 1945. One type was successfully deployed in the invasion of France in 1940 and more were used on the Eastern Front against Soviet forces from 1941 until the end of the war. The 'Desert Fox' (Ewin Rommel) demanded artillery guns that could keep up with his panzers in North Africa. He was sent 15-cm howitzers mounted on top of Panzer II tank chassis' and captured French Army Lorraine 37L-tracked armoured supply vehicles. Rommel's forces in northern France were equipped with a variety of new self-propelled guns, which were used against the Allies on the beaches of Normandy during D-Day in 1944. • Includes 81 colour photographs

German Self-Propelled Artillery Guns of the Second World War

Determined to learn from the lessons of World War I, the US Army developed a new generation of field artillery weapons and tactics during the 1930s. Consequently, in World War II it was the clear leader in field

artillery. Providing a thorough examination of the many critical innovations and doctrines, and the impact they had on performance, including the motorization of artillery, Fire Direction Centers, aerial observation, and radio communications. Exploring, in their entirety, the weapons that formed the backbone of the US artillery arsenal in World War II, this book reveals a wealth of detail not readily available elsewhere.

US Field Artillery of World War II

The World's Most Powerful Tanks is an expert examination of the most successful tanks of the past hundred years. Beginning with the prototype Mark V Male in 1917, the book features 52 of the best armored fighting vehicles from World War I, World War II, through the Cold War to today. Each entry is examined over two spreads and includes a brief description of the tank's development and history, a color profile artwork, photographs, key features, and specifications tables. Packed with more than 200 artworks and photographs, The World's Most Powerful Tanks is a colorful guide for the military historian and military technology enthusiast.

The World's Most Powerful Tanks

The encyclopedia of weapons of world war II is the most detailed and authoritative compendium of the weapons of mankind's greatest conflict ever published. It is a must for the military, enthusiast, and all those interested in World War II.

The Encyclopedia of Weapons of World War II

From the first tanks to early submarines to the repeating rifle to the biplane, The Illustrated Encyclopedia of Weapons of World War I examines key weapons from the Great War. It includes more than 300 pieces of equipment from handguns to zeppelins. Each weapon system is illustrated with a detailed profile artwork and a photograph showing the weapons system in service. Accompanying the illustrative material is detailed text that lists each weapon's service history, the numbers built, and its variants, as well as full specifications. Which tanks were first used at Cambrai? What was created in response to the request for a 'bloody paralysers'? What was the range of the Paris Gun? The Illustrated Encyclopedia of Weapons of World War I answers these questions and many more. Packed with artworks, photographs and information on each featured weapon, The Illustrated Encyclopedia of Weapons of World War I is a fantastic book for any general reader or military enthusiast.

The Illustrated Encyclopedia of Weapons of World War I

The encyclopedia of weapons of World War II is the most detailed and authoritative compendium of the weapons of mankind's greatest conflict ever published. It is a must for the military, enthusiast, and all those interested in World War II.

The Encyclopedia of Weapons of World War II

A highly-illustrated guide to the world's artillery units and their weapons and equipment from the end of World War II, Postwar Artillery 1945-Present: The Essential Weapons Identification Guide includes sample unit structures and orders of battle from divisional to corps and army level, providing an organizational context for key wars fought since 1945. Organized chronologically, the book is a comprehensive survey of units and their artillery weapons by war, including Korea, Vietnam, the Arab-Israeli conflicts, Indo-Pakistan wars, the cold war in Europe, the Yugoslav civil war, the Iraq wars and Afghanistan. All the major guns, missiles and mortar types are featured, with both towed and self-propelled artillery, for example, as well as anti-tank, anti-aircraft and other infantry support weapons. Less conventional forms of artillery are also included, including tactical and strategic missile systems, all combining to make this a rounded compendium

of modern artillery weapons as used by the world's armed forces. Packed with more than 200 full-color artworks and photographs with exhaustive specifications, *Postwar Artillery 1945-Present* is a key reference guide for military modellers and artillery enthusiasts.

Postwar Artillery 1945-Present

German Artillery of World War Two Hogg Complete details of German artillery used in WWII: infantry, mountain, field, heavy field, heavy, railway, anti-aircraft, anti-tank, coastal, and recoilless artillery. Official name and abbreviation, and any code name, is given for every piece, with a summary of its history and career, followed by extensive tables with technical specs, and details of performance, ammunition, projectiles, and propelling charges.

German Artillery of World War Two

A British tank historian sheds new light on the UK's Cold War era research and development of cutting-edge military vehicles and anti-tank weaponry. In the thirty years after the Second World War, the British army entered a period of intense technological development. Yet, due to the lack of surviving documentation, comparatively little is known about this period. What does survive, however, reveals the British Army's struggle to use cutting edge technology to create weapons that could crush the Soviet Union's armed forces, all the while fighting against the demands of Her Majesty's Treasury. On this journey, the Army entertained ideas such as massive 183mm anti-tank guns, devastating rocket artillery, colossal anti-tank guided missiles, and micro-tanks operable by crews of only two. At one point, they were on the cusp of building hover tanks. This book explores a time period of increasing importance in military engineering history and brings much-needed light to the dark age of British tanks.

The Dark Age of Tanks

The innovative PIAT anti-tank weapon equipped British and Commonwealth troops during some of the most important battles of World War II. This ground-breaking study brings together first-hand accounts, technical manuals, contemporary reports, and archive photography to create a definitive overview of the PIAT's history. Designed in 1942, Britain's innovative Projector, Infantry, Anti-Tank (PIAT) provided British and Commonwealth troops with a much-needed means of taking on Germany's formidable Panzers. Replacing the inadequate Boys anti-tank rifle, it was conceived in the top-secret World War II research and development organization known colloquially as "Churchill's Toyshop," alongside other ingenious weapons such as the sticky bomb, the limpet mine, and the time-pencil fuse. Unlike the more famous US bazooka, the PIAT had its roots in something simpler than rocket science. Operated from the shoulder, the PIAT was a spigot mortar which fired a heavy high-explosive bomb, with its main spring soaking up the recoil. The PIAT had a limited effective range. Troops required nerves of steel to get close enough to an enemy tank to ensure a direct hit, often approaching to within 50ft of the target, and no fewer than six Victoria Crosses were won during World War II by soldiers operating PIATs. A front-line weapon in every theater of the conflict in which Commonwealth troops fought, from Europe to the Far East, the PIAT remained in service after 1945, seeing action during the Greek Civil War, the Arab-Israeli conflict, and the Korean War. This illustrated study combines detailed research with expert analysis to reveal the full story of the design, development and deployment of this revolutionary weapon.

The PIAT

A comprehensive directory of the military weapons used in World War Two, from field artillery and tanks to torpedo boats and night fighters, with more than 180 photographs.

An Illustrated History of the Weapons of World War Two

Allied Tanks of World War II offers a highly illustrated guide to the main armoured fighting vehicles used by the Western Allies and the Red Army from 1939–1945. This volume includes sample unit structures and orders of battle from company up to corps level, providing context for key campaigns throughout the war, organised chronologically.

Allied Tanks of World War II

The German 88 mm guns became the most famous and feared artillery pieces of the Second World War. They appeared in a whole series of forms ranging from anti-aircraft to anti-tank and tank-guns, including several self-propelled platforms. Although primarily anti-aircraft guns they gained an awesome reputation as anti-tank weapons, a reputation that remains to this day. Terry Gander, in this in-depth, highly illustrated study, tells the story of the 88 from its first manifestations during the Great War to its clandestine development in Sweden, its production in Germany, its first 'multi-role' initiation during the Spanish Civil War and its part in the campaigns of 1939-40. As well as a detailed technical description of the gun and its development, his book features vivid accounts of the 88 in action in many of the main theaters of the Second World War, in North Africa, Italy, France and Germany, and on the Eastern Front.

German 88

“From mountain warfare with guns on mules to V2 rockets and everything between makes it well worth a place on anyone’s reference shelf.” —Clash of Steel It is said that artillery won the Second World War for the Allies—that Soviet guns wore down German forces on the Eastern Front, negating their superior tactics and fighting ability, and that the accuracy and intensity of the British and American artillery was a major reason for the success of Allied forces in North Africa from El Alamein, in Italy and Normandy, and played a vital role in the battles of 1944 and 1945. Yet the range of weapons used is often overlooked or taken for granted—which is why this highly illustrated history by Simon and Jonathan Forty is of such value. They stress the importance of artillery on every front and analyze how artillery equipment, training and tactical techniques developed during the conflict. The selection of wartime photographs—many from east European sources—and the extensive quotations from contemporary documents give a graphic impression of how the guns were used on all sides. The photographs emphasize the wide range of pieces employed as field, antiaircraft and antitank artillery without forgetting self-propelled guns, coastal and other heavyweights and the development of rockets. The authors offer a fascinating insight into the weapons that served in the artillery over seventy years ago. “Superbly illustrated, this is testament to the courage and skills of extraordinary men in the execution of their duty. An amazing book.” —Books Monthly

Artillery Warfare, 1939–1945

The Soviet forces during World War II had some of the most reliable, robust, and revolutionary military hardware available. From artillery to aircraft, small arms to ships, and tanks to trucks, this expert reference explores the weaponry that made the Russian Army so powerful. Packed with easy-to-understand diagrams, graphs, and illustrations, it's essential reading for anyone interested in military technology.

Russian Weapons of World War II

The entry of the US into World War II provided the Allies with the industrial might to finally take the war to German and Japanese forces across the world. Central to this was the focus of the American military industrial complex on the manufacture of tanks and armoured fighting vehicles. Between 1939 and 1945, 88,140 tanks and 18,620 other armored vehicles were built – almost twice the number that Germany and Great Britain combined were able to supply. In this lavishly illustrated volume, armour expert Michael Green examines the dizzying array of machinery fielded by the US Army, from the famed M4 Sherman, M3 Stuart

and M3 Lee through to the half-tracks, armored cars, self-propelled artillery, tank destroyers, armored recovery vehicles and tracked landing vehicles that provided the armoured fist that the Allies needed to break Axis resistance in Europe and the Pacific. Publishing in paperback for the first time and packed with historical and contemporary colour photography, this encyclopedic new study details the design, development, and construction of these vehicles, their deployment in battle and the impact that they had on the outcome of the war.

American Tanks & AFVs of World War II

This book explores the fascinating history of tank, anti-tank and self-propelled artillery ammunition used by the British and Americans in World War 2. As well as examining the major ammunition types in detail, the work also explains, for the first time in a book of this type, how ammunition functions and is made to be accurate. The guns and weapons used to fire the ammunition are also covered, as is a comprehensive lexicon of terminology and an extensive list of references. The whole is complemented by stunning artwork showing the ammunition and its associated packaging, with many period photographs of the ammunition in use.

Firing Now!

As World War II in Europe reached its end, armour development and doctrine had experienced several years of massively accelerated change, especially within the crucible of the Eastern Front. The German Jagdpanther and Soviet SU-100, both turretless tank-destroyer designs based on a 'traditional' turret-tank chassis, were the culminating examples of how the progression of experience, resources and time constraints produced vehicles that were well suited for roles of defence and offence, respectively. The Jagdpanther represented a well-balanced solution and an excellent use of limited resources, while the SU-100 was a natural progression of the SU-85, where numbers produced compensated for rudimentary construction, poor crew comfort and limited optics.

Jagdpanther vs SU-100

Despite the German Panzerwaffe's ability to engage its foes rapidly with concentrated force, additional fire power was often required to break through enemy lines. Initially this was with towed artillery but, as the war developed, converting tanks into fast-moving self-propelled artillery carrying vehicles proved far more effective. As a result a number of weapon systems came into service including the Pz.Kpfw.I and II. Other conversions followed including the Pz.Kpfw.II Wespe with its 10.5cm gun, the Pz.Kpfw.III/IV Hummel armed with a 15cm howitzer, the Sturmpanzer Brummbär with its powerful 15cm gun and the Grille series based on the Czech Pz.Kpfw 38(t) tank chassis. These and other armored vehicles were capable of providing both close firesupport for infantry and acting as anti-tank weapons. This highly illustrated book describes the key role played by German self-propelled artillery from its introduction in 1940 in France, to North Africa, Italy, Russia and North-West Europe. It analyzes the development of the numerous variants that came into service as these formidable weapon systems were adapted and up-gunned to face the ever-increasing enemy threat. With rare and often published photographs this book provides a unique insight into German self-propelled artillery from its early triumphant war years to final defeat in 1945.

German Self-propelled Artillery at War 1940–1945

Much has been written about the use of tanks in battle. Little, however, has appeared about the gunnery systems that are at their core. This book describes and examines the main gun systems of medium and heavy tanks from first use in 1916 in World War I to those fielded in numbers to the end of World War II in 1945, including tanks of the interwar period. Specifically considered are guns of a calibre greater than 35 mm, which have been deployed in numbers greater than 100. The emphasis is on guns mounted in turrets on heavier tracked armored fighting vehicles (greater than 15 tonnes) which were considered tanks. There are, though, exceptions, in that the naval 6 pounder guns in First World War British tanks, as well as the 75 mm

guns in French medium tanks of the same period (all turretless) are included. The treatment of gun systems includes sighting and fire control equipment, gun laying equipment, mounts and the array of munitions fired, as well as the actual gun, including its, barrel, cradle, breech, firing mechanism, sights and recoil system. Related to this are issues of gun handling (loading and unloading), ammunition design and rates of fire. Also examined are the maximum impulse and energy generated by firing some of the munitions available that must be absorbed by the gun recoil system.

Tank Gun Systems

This book describes the weapons and vehicles of all the countries that fought in World War II in a clear and comprehensive manner. It offers an excellent overview of the diverse weaponry used by both the Axis Powers and the Allies, with everything you might want to know about the development and deployment of each type of weapon along with the relevant technical specifications.

Weapons of World War II

This definitive overview of the development and use of artillery makes the complex artillery systems of today understandable, while at the same time showing how they have evolved and how they are likely to change in the future. The author, until recently chief of artillery for the British Army, is considered one of the world's foremost experts on the subject. Unlike other books that either describe the technical aspects of present-day firepower or outline its history during specific wars, this work provides both a detailed explanation of the modern artillery system and a history of its development over the past six hundred fifty years, identifying its enduring principles and changing practices against an ever-changing background of technology, tactics, and strategy. When an earlier version of this book was published in 1989, it became known as the best single source on field artillery in the English language. This new edition has been fully updated and substantially expanded to cover a wide range of contemporary military debates and the role of firepower, and is certain to be regarded as the ultimate work on the subject for years to come. J. B. A. Bailey assesses major developments over the past decade, analyzing artillery operations in airborne, urban, littoral, desert, jungle, mountain, arctic, and nocturnal environments. He examines direct fire, counterfire, the suppression of enemy air defenses, and force protection methods. He explains field artillery from its primitive beginnings to its dominance as an art in World War II and its potent utility in operations since 1945 and into the future. The book will be of particular interest to military historians and those engaged in debating firepower's future. Published in cooperation with the Association of the United States Army. 15 photographs. 8 line drawings. Appendixes. Notes. Bibliography. Index. 7 x 10 inches.

Field Artillery And Fire Power

In the seventy years that have passed since the tank first appeared, antitank combat has presented one of the greatest challenges in land warfare. Dramatic improvements in tank technology and doctrine over the years have precipitated equally innovative developments in the antitank field. One cycle in this ongoing arms race occurred during the early years of World War II when the U.S. Army sought desperately to find an antidote to the vaunted German blitzkrieg. This Leavenworth Paper analyzes the origins of the tank destroyer concept, evaluates the doctrine and equipment with which tank destroyer units fought, and assesses the effectiveness of the tank destroyer in battle.

Seek, Strike, and Destroy

Tanks features 52 of the best armoured fighting vehicles from World War I to the present day. Each entry is examined over two spreads and includes a brief description of the tank's development and history, a colour profile artwork, photographs, key features and specifications tables.

The World's Greatest Tanks

Rigt illustreret bog om udviklingen af våben under 2. verdenskrig. Fra basis infanterivåben frem til udviklingen af A-våben.

Tanks and Weapons of World War II.

Detailed history of artillery types over the centuries. Accompanying text describes the history and development of each featured weapon.

Allied Tanks of World War II

Mortars were used throughout the Second World War by all armies and in all theaters. Although a very simple weapon they could greatly enhance the firepower of infantry formations, giving them their own mobile artillery arm. This book gives a brief history of the origins of the weapon and its use in the Great War before moving on to look in detail at

Artillery

\ "All materials previously appeared in the multivolume partwork War Machine by Orbis Publishing Ltd.\ "-- Title page verso.

Mortars in World War II

This fascinating in-depth dossier on the German infantry weapons, ranging from the legendary Luger pistol to the anti-tank guns and howitzers, is based on classified military intelligence reports published during the Second World War.

The Illustrated Encyclopedia of Weapons of World War II

This superb large-format reference book is the ultimate illustrated guide to the equipment used by the U.S. Army during World War II. No other single source provides so much accurate and authentic detail on weapons, vehicles, ammunition and other combat equipment, together with an authoritative explanation of the development and introduction processes. The facts and figures are profusely illustrated with over 700 photographs and drawings, and set in context in the Introduction by military equipment expert Ian V. Hogg. During World War II, various military agencies produced catalogues to fill in the gaps left by the official U.S. War Department manuals. This led to inconsistent technical data appearing in different sources. In order to standardise the information and properly catalogue all the equipment, the U.S. Ordnance Department began putting together the master guide now published as The American Arsenal, covering every piece of equipment in use and being produced. Every figure, date, specification and description was authenticated by reference to Ordnance Committee Minutes and similar authorities. The vast amount of technical information included makes this an invaluable reference work.

German Infantry Weapons of the Second World War

\ "As World War II approached, Germany ordered Krupp and Rheimetall-Borsig to build several super-heavy siege guns, vital to smash through the fortresses that stood in the way of the Blitzkrieg. These weapons - the 60 cm and 54cm Karl-Gerät, the 80cm Gustav, and the 35.5cm Haubtize M1 - were much larger and more complex than the guns of World War I, and required years to build and test. So as war drew near, the German High Command hastily brought some World War I-era heavy artillery back into service and then acquired a large number of Czech Skoda mortars. The advanced new siege guns began entering service in time for the invasion of Sevastopol, and later in the war they were employed sporadically on both the Eastern and

Western fronts. Germany used some 50 siege guns during World War II, far more than the 35 it had during World War I. With superbly detailed artwork of the guns, their components, and deployment, this is an essential guide to these super-weapons, exploring their history, development, and use in detail.\"--Back cover.

The American Arsenal

This illustrated WWII history captures the evolution of Nazi Germany's anti-armor weaponry through rare archival wartime photos. Hitler's Wehrmacht and SS units will be remembered for their aggressive Blitzkrieg tactics. But, as the war progressed, the Germans developed an impressive range of anti-tank warfare weaponry and munitions. Using many rare unpublished images, this Images of War book covers the full Nazi anti-armor capability. Also featured are the half-tracks and converted Panzers that pulled or mounted these weapons and carried observers and reconnaissance elements forward. Later hand-held anti-tank weapons came into service and were effective against Allied armor. The Panzerfaust, with its shaped charge warhead, became the first disposable anti-tank weapon in history. This comprehensive book shows this formidable range of weapons in action from Poland in 1939, through North Africa and the Eastern Front to the final collapse of the Third Reich in 1945.

World War II German Super-Heavy Siege Guns

Packed with archival photos, a fascinating account of armored warfare in WWII—and how tank design and tactics were transformed during the period. On the battlefields of Europe and North Africa during the Second World War, tanks played a key role, and the intense pressure of combat drove forward tank design and tactics at an extraordinary rate. In a few years, on all sides, tank warfare was transformed. This is the dramatic process that Simon and Jonathan Forty chronicle in this heavily illustrated history. They describe the fundamentals of pre-war tank design and compare the theories formulated in the 1930s as to how they should be used in battle. Then they show how the harsh experience of the German blitzkrieg campaigns in Poland, France, and the Soviet Union compelled the Western Allies to reconsider their equipment, organization, and tactics—and how the Germans responded to the Allied challenge. The speed of progress is demonstrated in the selection of over 180 archive photographs which record, as only photographs can, the conditions of war on each battle front. They also give a vivid impression of what armored warfare was like for the tank crews of 75 years ago. "The images in the book are excellent and inspire diorama ideas for modelers."
—IPMS/USA

Hitler's Anti-Tank Weapons 1939–1945

Reflecting more the weapons of World War I than those of today, this volume examines the aircrafts, ships, tanks and tank destroyers, artillery, and small arms used during World War II

Tank Warfare, 1939–1945

This book takes a very informative look at the weapons used by the main countries involved in World War II. From the light gun to the heavy armored vehicles, the small airplanes to the huge ships, this broad and informative weapons overview is an insightful look into the tools behind one of the world's greatest wars.

Great Weapons of World War II

This study looks at how the Soviet armed forces developed and deployed a range of machine guns that fitted with their offensive and defensive infantry tactics across six years of total war. In 1939, three machine guns dominated the Red Army's front-line infantry firepower – the DShK 1938 heavy machine gun, the PM M1910 medium/heavy machine gun and the Degtyaryov DP-27, a lighter, bipod-mounted support weapon.

Confronted by cutting-edge German technology during the Great Patriotic War (1941–45), the Soviets responded with the development of new weaponry, including the RPD light machine gun, the 7.62×54mmR SG43 medium machine gun and the improved version of the DP-27, the DPM. Taken together, all these weapons gave the Red Army a more practical range of support weapons, better able to challenge the Germans for fire superiority on the battlefield. Fully illustrated, this study explains the technology and the tactics of these machine guns. Noted authority Chris McNab sets out how these machine guns were distributed and tactically applied and provides numerous examples of the weapons in action, from assault teams on the streets of Stalingrad to tank crews struggling for survival at Kursk. The book also reflects upon the weapons' post-war service; many of the machine guns remain in front-line use today. Illustrated with high-quality photographs and specially commissioned artwork, this is a deep analysis of these essential tools of warfare within the Soviet forces.

Weapons of World War II

WWII saw a global conflict with the weapons technologies of the leading nations of the world pitted against each other. This book examines key air, sea and land weapons, vehicles and small arms. Each spread features a key category of weapon, such as fighters or main battle tanks, with an easy to follow diagram or chart.

Soviet Machine Guns of World War II

Weapons of World War II

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